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# NUMBERS & ODDITIES #
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-::: N&O #67, November 2003 :::-

Hi, I am back. I have moved house and that took more time than I expected. That was the reason why I announced that N&O would be on vacation in October but..... Jochen volunteered to edit N&O #66 for which I thank him very much!

At the time of writing I can tell you that the radios are in place but I still have to install the antennae. The sun is playing games with us and the conditions are rather poor, so luckily I don't miss much :-)

Ok, on with the show.....

New ENIGMA designators have been assigned to the Czech and Slovak military networks that we often mentioned in N&O. Three Chinese networks now also have a designator; the infamous L9CC family and two of the voice stations. See for details the ENIGMA Control List and the Morse Stations Profiles on the N&O website.

M83/a/b/c Slovak military net, subdivided in:

```

M83  "xxxx xxxx xxxx vvvvvvvvvvv vvvvvvvvvvv vvvvvvvvvvv"
M83a "xxxx de xxxx QTC 2 20 02 0907"
      2= serial No, 20=gp cnt (20 or 50),02=date,0907=time (utc + 1)
      c/s's can be mix of letters/figures, often changed, 5f or 5l
M83b "xxxx xxxx xxxx de xxxx xxxx xxxx "
M83c "NNNN or LLLL or mixed, sent continuously"

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M89 Chinese military, the L9CC family.

M90 Czech military. Control stations CH8N, S8BD, U4NP.

M91 Czech military on 2362//2852 kHz.

M92 Czech military (Network 25), possibly associated with M90.

V27 Another strange Chinese/English station (YL), similar to V26. Callsign 3SG. Station transmit in LSB.

* VOICE STATIONS *

::: E03 / E04

Pat heard the Lincolnshire Poacher and jotted down its message:
12603 kHz, 1805 UTC, 16 November:

Message: 01959 90359 41854 60909 57297 54714 45023 31067 99542
23828 65734 10683 60067 19436 73016 66247 88660 03078
71233 39878 31626 89131 59547 96059 73665 28215 41121
59586 15157 89104 84485 68422 02927 05739 45659 59620
03760 76572 84988 05023 00923 33676 63492 60509 13787
02060 44926 01464 92721 13479 05065 61639 24732 08722
50953 35062 00716 58782 53360

Monthly roundup of idents compiled by Tomonori and Al.

Lincolnshire Poacher E03
IDs as of November 1st, 2003

UTC	Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC
1200	74782	74782	74782	74782	74782	74782	74782	1200
1300	19402	19402	19402	19402	19402	19402	19402	1300
1400	54960	20716	74823	59403	74782	88042	34835	1400
1500	34835	54960	20716	74823	59403	74782	24144	1500
1600	24144	34835	54960	20716	74823	59403	88042	1600
1700	88042	24144	34835	54960	20716	74823	74782	1700
1800	74782	88042	24144	34835	54960	20716	59403	1800
1900	59403	19402	88042	19402	34835	54960	19402	1900
2000	19402	74782	19402	24144	19402	34835	74823	2000
2100	74823	59403	74782	88042	24144	19402	20716	2100
2200	20716	74823	59403	74782	88042	24144	54960	2200

Lincolnshire Poacher E03
IDs as of November 15th, 2003

[illegible]

1400	82882	39707	41307	14364	59564	74047	36082	1400
1500	36082	82882	39707	41307	14364	59564	50012	1500
1600	50012	36082	82882	39707	41307	14364	74047	1600
1700	74047	50012	36082	82882	39707	41307	59564	1700
1800	59564	74047	50012	36082	82882	39707	14364	1800
1900	14364	69681	74047	69681	36082	82882	69681	1900
2000	69681	59564	69681	50012	69681	36082	41307	2000
2100	41307	14364	59564	74047	50012	69681	39707	2100
2200	39707	41307	14364	59564	74047	50012	82882	2200

Cherry Ripe E04
IDs as of Oct 31st, 2003

UTC	Sun	Mon	Tue	Wed	Thu	Fri	UTC
0000		16401	64307				0000
0100		64307	25843				0100
1000		25843	90661				1000
1100		90661	51721				1100
1200		51721	59159				1200
1300		59159	08650				1300
1400							1400
2200	08650	25843					2200
2300	25843	16401					2300

Cherry Ripe E04
IDs as of Nov 7th, 2003

UTC	Sun	Mon	Tue	Wed	Thu	Fri	UTC
0000		97212	66842	88555	33427	44038	0000
0100		66842	88555	33427	44038	14981	0100
1000		88555	33427	44038	XXXXX	XXXXX	1000
1100		33427	44038	14981	73057	88555	1100
1200		44038			88555	97212	1200
1300		14981			97212	66842	1300
1400							1400
2200	73057	88555	97212	66842	88555		2200
2300	88555	97212	66842	88555	33427		2300

<<<<<>>>>>

::: E06

Hans-Friedrich noted that E06 transmitted the same message on 22 Nov.
on 16343/17440 and 13880/14910 but they were not synchronized.

1416 UTC, 16343 kHz, ip, ends w/ 579 128
1424 UTC, 17440 kHz, ip, ends w/ 579 128

1500 UTC, 13880 kHz, 306:579/128=32146
1500 UTC, 14910 kHz, 428:579/128=32146

<<<<<>>>>

::: E10

ABC was reportedly on 6428 and 13999 kHz on 9 November. This one hasn't been heard in the past few months. I'm glad that it's still alive.

<<<<<>>>>

::: S17C

AF writes that S17c has changed its frequency. His last log for 8190//5301 kHz was:

2003-10-29 1250-1257 8190 usb s17c extremely weak
2003-10-29 1250-1257 5301 extremely weak

On 8 November the station was heard on 9165 kHz from 1250-1257 with a good signal. The 2nd frequency has not been found yet.

<<<<<>>>>

::: V02 / M08

A dxer from Northeast PA writes to ENIGMA that M08 and V02 were mixing again as of 0320 UTC on 4 November.

<<<<<>>>>

::: V21

The Cuban military station a.k.a. "the Babbler" is another one that we missed here for a while. Chris found it transmitting on it's usual frequency 6529 kHz.

-0-0-0-0-0-0-0-0-0-0-

* MORSE STATIONS *

::: M16

DGSE related station "8BY" was observed on 7668 and 10248 kHz with the well known strings and messages like

"vvv vvv vvv 8by 8by 8by 371/538/455/459/208 ar"

<<<<<>>>>>

::: M21 - PVO

PVO, Russia's Air Defense, has been reported by a number of dxers. It used frequencies 4071 (id 8), 4559 (id 8), 5011 (id 8), 5201 (id 0).

One of the M21 variants was observed on 3301 kHz with callsign PSNN with messages like 9977712307116 9977715901620 997771236824 4997? Then 2 mins of "PSNN".

<<<<<>>>>>

::: M51

Jim heard the French on 4482.5 and 5254 kHz with the usual messages: NR 44N 06 21:05:47 2003 = PEVYQ GEVRZ ..."

<<<<<>>>>>

::: M83 - SLOVAK MILITARY

5287 kHz, 1715 UTC, 31 Oct., noted by Jim: callsigns HMRV, D7CM, F8DL, all part of the first QRA set. The 4th callsign is GRXZ.

<<<<<>>>>>

::: M87

Igor checks in from South East Russia with an M87 report:

11248 kHz, 0630 UTC, 31 October. Very poor signal.

945 945 945 945 945 945 945 945 945 945 945 945 333
945 945 945 945 945 945 945 945 333
945 945 945 945 945 945 945 333
945 945 945 945 945 945 945 333
945 945 945 945 945 945 945 945 333
945 945 945 945 945 945 945 945 333
945 945 945 945 945 333
= = 62 62 50 50 =
3d4nt 4t5a6 t5ad4 d4n5u 6a3ud 3nt56 u7n63 5tua7 4a56u 6unt3
n73a5 73a4t 3u4t7 n57au 5nd67 t5adu 5anud a74d6 n5t64 73nt6
n54ut a7364 3d6u7 tna76 d5753 u73da 5anud a74d5 73nt6 nt673
a6ud4 n45au 5ud6n 3n4t6 t5a64 734tu t75ud 6unt7 d4a53 nt57u
d36a4 7ud4n a74d5 76n53 6ud3a 4nt6d 73a4t 3a4tn a73n4 5audt
= = 63 63 50 50 = =

```

t75d4 75d43 5a6u7 3nt5d ua3nt a75d4 76d4u a5u7n 436ua d7n53
63u4t 3atud 6u4da n5367 3dt7a un5a4 7d45a 6unt3 nt647 a6ud4
nt6u7 6u734 3atnd tna7u d5n6a 5u63d 3a4tn a7354 354tu 6ud47
d3nt6 nt647 t6573 u7nd4 3d4ua 5a6dt 34ta7 n5adu 546ua 3nt5d
6ua3n 73nt6 t64a7 d45un t6374 5anud anud6 n5t37 dn56u 56unt
= = 333 333
= = 62 62 50 50 =
3d4nt 4t5a6 t5ad4 d4n5u 6a3ud 3nt56 u7n63 5tua7 4a56u 6unt3
n73a5 73a4t 3u4t7 n57au 5nd67 t5adu 5anud a74d6 n5t64 73nt6
n54ut a7364 3d6u7 tna76 d5753 u73da 5anud a74d5 73nt6 nt673
a6ud4 n45au 5ud6n 3n4t6 t5a64 734tu t75ud 6unt7 d4a53 nt57u
d36a4 7ud4n a74d5 76n53 6ud3a 4nt6d 73a4t 3a4tn a73n4 5audt
= = 333
= 63 63 50 50 = =
t75d4 75d43 5a6u7 3nt5d ua3nt a75d4 76d4u a5u7n 436ua d7n53
63u4t 3atud 6u4da n5367 3dt7a un5a4 7d45a 6unt3 nt647 a6ud4
nt6u7 6u734 3atnd tna7u d5n6a 5u63d 3a4tn a7354 354tu 6ud47
d3nt6 nt647 t6573 u7nd4 3d4ua 5a6dt 34ta7 n5adu 546ua 3nt5d
6ua3n 73nt6 t64a7 d45un t6374 5anud anud6 n5t37 dn56u 56unt
= = 000

```

Igor copied the station also on 11249 kHz at 0630 UTC on 14 Nov. with the same callup and same preamble. Is this standard for "945"?

```

945 945 945 945 945 945 945 945 945 945 945 333 333
945 945 945 945 945 945 945 333 333
= = 66 66 50 50 = =
4tda6 d4u5a 7nd3t 3d4ua 5nt67 ud3nt 4tna7 t74d5 75d4n t63n5
etc etc etc

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<<<<<>>>>>

::: M89 - CHINESE MILITARY

The L9CC family now has a designator and it therefore moved from the military section to the morse section. M89 was heard by Michel, Igor and myself. Igor copied not only the endless call-up string but also a couple of messages.

```

3547.5 kHz, 2109 UTC, 02 Nov.: V CP17 CP17 CP17 DE L9CC L9CC
3639.0 kHz, 1354 UTC, 16 Nov.: V CQMSG CQMSG CQMSG DE CQMSG CQMSG
// 4146 kHz. Weird, it's calling itself, and the callsign...
CQMSG: CQ Message?????
4146.0 kHz, 1354 UTC, 16 Nov.: V CQMSG CQMSG CQMSG DE CQMSG CQMSG
// 3639 kHz
5719.0 kHz, 0056 UTC, 11 Nov.: V ONMT ONMT ONMT DE B9VW B9VW
6458.0 kHz, 1337 UTC, 16 Nov.: V DKLO DKLO DKLO DE SDKL SDKL
7074.0 kHz, 0820 UTC, 27 Oct.: V MW3D MW3D MW3D DE 2SLC 2SLC

```

8042.0 kHz, 0048 UTC, 16 Oct.: V LA5S LA5S LA5S DE NH8T NH8T
9185.0 kHz, 1515 UTC, 08 Nov.: V FXP4 FXP4 FXP4 DE YZL6 YZL6

- 7074 kHz, 0820 UTC, 27 Oct.

v mw3d mw3d mw3d de 2slc 2slc (endless string)
vv mw3d mw3d de 2slc 2slc hr cq msg nr
msg nr 226 ck 3t1 16 1t27 162t =
msg nr 226 ck 3t1 16 1t27 162t =
d3n5 tdn5 at64 43a6 7un3 a463 u57t 4t75 tt55 ttaa
73ta 65ua un34 a46t 6dan dun3 ud5n nad6 4a6u 6535
5u6t 76un u64d 5a3u u547 a6tn 5d3n d4a5 d53a dua3
a6n5 6and 3t3n un67 4uad dtnt 4ndu u3da 4td3 5n7u
6437 5tdu dau7 745a d6t5 576u dt45 7u6t 4n5d un6t
37t4 a67t a6du nu6d u4an 47nu u4t5 dta3 3475 4t7n
nadn 4na3 d74t d537 u36u t75n 3a4d 7t65 3a7n 4au6
7u56 64da 435a 73t6 5da3 nunt 5dt4 53a7 6347 ud7u
63d3 74tn 35dt 543n 3675 a64n 7a5n at65 d4u7 467t
3nu4 7tdu a6t6 3n34 d67t 6at7 nd7u 7u4t 57ta 73an
iii =
n67n au3a 3t73 an4t 4na5 td65 6n7a 5tau tt55 ttau
7453 4a36 atdt a364 ada4 adat 53nt n547 6dau 73du
u634 ua37 n536 at~3 n7d4 tn66 dt76 u644 75u7 3ta4
uda5 ud53 ta5a 4d47 64a7 743t 6u37 733n 3aad n3at
d463 ta34 t76t utu4 54t4 3t5t 67d7 au6u 5~u3 u365
u4nd a5u4 57d4 5n47 3a34 5t3n ud54 4ana 5u6d 5na3
6td6 3d65 n6an 5376 t373 tdt6 6d73 t46t a6u5 n~65
a763 7nun 76du tn76 3t5a u7a4 6tn7 dund ud53 n7td
nu74 7nu5 7467 n7nu t53n 5d57 6tda d456 7atu 5ua5
a3d7 d35u n6n5 n4d5 53d5 4tu6 nut3 5u74 64nn ddtu
iii =
4tn3 tdaa t4u6 ut7u 53nt 6u35 u6d5 6dna tt55 tta3
dta7 3u63 67dt 3ud7 47t7 nan5 4u64 734t nt47 4dud
45d7 n3u3 tt4u 7653 4n6u 4a56 a3tn an63 d73u 636u
nat7 duat tn73 43d7 5t3t 4563 5au6 74ua 6au6 634t
d55t nd56 6d57 td4u nuau 45a5 dna4 4ant 567u d4n4
7n7d 7367 43at 76du t5d5 tan6 73ad ntn6 uau5 7n74
d6n6 4n4t dad7 5n37 u5tu t75n tnt4 a7d4 a63a n474
7a45 udad dt5n ataa 3d37 a4d5 u53t 5n64 53a3 3d5u
7a67 347t utd6 adn7 u5u3 nant 5a4a au4n u7n4 3n56
6un5 73td n35d t356 56tn 744a 65t6 ud53 u57n u436
iii =
774a ar
msg nr 226 ck 3t1 16 1t27 162t =
... (rpt rdo)
v mw3d mw3d mw3d de 2slc 2slc (endless string)

- 8042 kHz, 0048 UTC, 16 Oct.

v la5s la5s la5s de nh8t nh8t (endless string)
ugt comm = 361/5952/5885/58/53/8288/5/558/a ar
ugt comm = 361/5952/5885/58/53/8288/5/558/a ar
ugt comm = 361/5952/5885/58/53/8288/5/558/a ar
v la5s la5s la5s de nh8t nh8t (continue)

- 6458 kHz, 1337 UTC, 16 Nov.

v dklo dklo dklo de sdkl sdkl (rptd)
msg nr vvv
msg nr t1t8 ck t842 22 1116 2t45 =
msg nr t1t8 ck t842 22 1116 2t45 =
msg nr t1t8 ck t842 22 1116 2t45 =
1p = =
a3ta t7tt 73ut uud5 5u55 n3t7 7dd3 uun3 aa64 3u33
4a67 nt34 56tn tt45 7n75 53n4 n33a 3tat 5u6n tat6
7647 3nd7 74ud an67 tnu7 tuan 4dtt dn44 7a7a nu7t
443d 5d33 a377 3665 66a5 6a5d 6d3a d5ua 5tu7 u55u
673n tnd3 74ta 6a77 5n5a u65n 3466 d6tu 7a6n n433
u5a5 5t~n 6544 n5ua n633 du7t 74nn 3nt5 a6t4 3dda
5773 natu 36nt nn5u n5tu d33d an36 75d5 a6ud t74t
tn46 utan nd4d 6dd4 4dnt 5tdu 43an 3675 5446 a65t
ud3t 543d u7nn 3d4d 3ana ntuu 6u43 77au d3a4 7d36
7n66 4n5d a7td 57t6 55dn u~55 d53a a556 d6n7 67ua
iii iii iii
2p = =
3a7t 3a6n 757n un76 545t n457 65tu 3utn aa33 6nu6
6d44 76a4 t6d7 unat 7n6n dn55 dntu 6dn6 33un n6an
u6t5 4ta5 n35t 43da 7nt3 363d dtu7 aud4 atn7 3ua6
a76t 5n75 nta4 ...

<<<<<>>>>

::: M90 - CZECH MILITARY

Observed by Wolfgang on 30 Oct, at 0936 UTC on 4886 kHz:
Callsigns CH8N, JG8F, TR2F, A4PK.

tr2f tr2f tr2f de ch8n ch8n qtc 688 k

de ch8n qtc 35 20 30 1035 688 tr2f -
qardw hrhbw ykiuo otsfc tuacy ... ends with: ch8n k

a4pk a4pk a4pk de ch8n ch8n qtc k

ch8n 39 20 30 1146 - 688 a4pk -
01939 94271 12490 38790 19878 ... ends with: ch8n k

<<<<<>>>>

::: MX

I heard only two markers while writing this column. Bad conditions or simply not on the air?

3336.2 kHz, Channel marker "L"
3658.0 kHz, Channel marker "V"

As a result of many complaints by radio amateurs, the Ukraine authorities have stopped the transmissions of cluster beacon "D". The cluster beacons on 7039 kHz are in the middle of the HAM band. I wonder if "D" is really gone or will it pop up again during the next navy exercise? We'll see.

-0-0-0-0-0-0-0-0-0-0-

* OTHER MODES *

::: X06 / M42

Frequency	date	time	details
-----	-----	----	-----
6878	11-10	1921	Dep. of State Comms Moscow, RUS, MFSK-32/CROWD36, 5FGs to unlocated recipient on link 60179.
9154	2-10	1644	Russian intel, RUS, BAUDOT 200.32Bd/500Hz, auto broadcasting null message to 162.
9992	2-10	1317	Dep. of State Comms Moscow, RUS, MFSK-32/CROWD36, 5FGs to unlocated recipient on link 60179.
10422	9-11	1630	Dep. of State Comms Moscow, RUS, MFSK-32/CROWD36, 5LGs to unlocated embassy on link 90006.
11478	9-11	1421	Russian intel, RUS, BAUDOT 200.33Bd/500Hz, broadcasting 17 FGs to UNID recipient.
13800	10-11	0800	Mazielka (2-tones)
14953	3-10	1638	Dep. of State Comms Moscow, RUS, MFSK-32/CROWD36, offline crypto not spaced as 5LGs to unlocated embassy on link 70006.

16223 12-11 0910 Russian intel, RUS, 4x 00K?, wideband
 broadcasting system, channels with 4 kHz spacing,
 QRT 0918 UTC.

16227 22-11 1414 Mazielka calls.

18177 12-11 0920 Russian intel, RUS, 4x 00K?, wideband
 broadcasting system, channels separated by 4 kHz,
 QRT 0928 UTC.

20157 12-11 0930 Russian intel, RUS, 4x 00K?, wideband
 broadcasting system, channels separated by 4 kHz,
 QRT 0938 UTC.

20940 2-11 1303 Russian intel, RUS, BAUDOT 200.33Bd/500Hz,
 broadcasting 17 FGs to UNID recipient.

Logs by Leif, Hans-Friedrich and Jochen. Thanks gents!

<<<<<>>>>>

::: OTHERS

- XSL: Japanese Navy's "Slot Machine" was logged by Ben on 6250, 6417 and 6445 kHz while I heard faint signals on 8588 and 8313 kHz.
- S28: The buzzer is still buzzing on 4625 kHz.
- S30: The Pip on 3657 kHz.
- XSW: The Squeaky Wheel channel marker is another daily guest on 3828.9 kHz.
- XM: The "Whales" can often be observed on 5434 kHz.

-0-0-0-0-0-0-0-0-0-0-

★ UNID STATIONS ★

::: BCN

Chinese station BCN is one of these mystery stations that are on the air for years and are still not 100% positively identified. Most probably military.

It operated on the 11th and 27th of each month. Frequencies: 6265//6885 kHz. Mode: MCW.

VVV VVV VVV CQ CQ CQ DE BCN BCN BCN ZNN ZNN ZNN (R5)
rapid dots (2 seconds)
ZNN QRX SK
ZNN QRX SK

<<<<<>>>>>

::: "T"

Single letter beacon "T" on 10470 kHz has been reported by Eddy Waters from "down under". He heard the signal for weeks.

<<<<<>>>>>

::: HOV8

Another unid came from Igor who copied the following on 6668 kHz at 1100 UTC on 27 October. The string was repeated for 10 minutes.

"vvv b6ru b6ru b6ru de hov8 hov8 hov8 nil sk gb -.-. "

-0-0-0-0-0-0-0-0-0-0-

* MILITARY STATIONS *

Thanks to everyone who sent reports and info.

We have a large selection of Russian and Ukrainian station logs thanks to Jim and John who were very active in October and November. Because of their common background it is often difficult to distinguish Ukrainian from Russian networks. Uncertainties are listed under "Russia/CIS".

Note that a number of the Czech, Slovak and Chinese military networks now have a ENIGMA designator and have therefore moved to the Morse Section.

::: POLAND

We start this section with a couple of Maciej's observations.

Mode: USB/LSB

2397.0 Szczaw 72, Zalew 70, Pisz 67: unid military net. Messages
consist of 5FGs
2786.1 Lokacja 42, Kropka01, Zero21 (021)

<<<<<>>>>>

::: UKRAINE

Mode: CW

Freq.	Callsigns
3261	I1XW, 6YJR, K02W, VP03, MCG8, 3EMB (3EM6?), ZU7F, D4IO, TXNM, 5BQ4, N86Z, QGMA, K6WL, PRBM, MEPR, 3BNR, QGXX, ZKDZ, 4ZQN, VF4Z, O6DW, ZKDZ.
3348	4PZL, CMI8, 9VM3, KVVZ, 4PZL
3775	N04C, 5ZLN, 6FDC, 7E1K, PRNX, DSPR, HZKW, AGB7, NZXL, MXJC, LKLA, D3LK, AGVN, 1E1X, KWHB, YSZH
3863	1KJE, IAWF, LEZD, ZWJK, 6IYP, IM6N, M7TX, AIZL
3893	6HP1, VVLC

<<<<<>>>>

::: RUSSIA / CIS

Mode: CW

Frequency	Callsigns
18.1	RDL: Russian Military VLF Site Nizhny Novgorod //12832, 10712, 10535 kHz RDL: Russian Military VLF Site Tashkent UZB
2322	TBIY
2478	DSAY, 2NKS, VLAD, A3ZI, P6WC
2692	AFBA, CKOC, GFMS, KKHK
3207	KKHK, CJA0, MS9X
3217	5QMN, ZVHG, 3R2G, C5VD, 1NK4, GB3G. QSX 3393 kHz
3211	DS1L, FL2Y, 8XAQ, MBKN
3229	H8A1, P3PL, C2AG, P3GL
3261	N1WA, G39L, JDPO, E62W, Y1YM, LWY1, 5RB1, V8CS, E62W, ESUP. Flash message: XXX XXX ESUP ESUP 83809 18453 EhELON 3491
3354	7HLT, K4NL, HQGK, ZEGQ, 3J7C, V3KA, 1NK4
3393	CCVQ. QSX 3217 kHz
3741	N906
3826	3DSD, YSN2, 4ONS, XCFQ, GDMZ, AST4, AL8A, AY6D, GDAD, ESUP, 3CL6, TPY5, JDAN, 6XX4, H5UD, SNOS, E3LL, Y2GD, FZ4S, NYFK, K9VR, JLGY, QQ9M, LCEG, YPM1, FCSF, 6ANS, STCD, GCOG, ZROU, IVVE, QYT6, T2CO, 5UOD, NZAS, 7YD8, AUL9, LXGR, MGMS, TRNS, J2B6, BA6L, 8NHW, NSNC, JPJX, V9BX. Flash message: XXX ESUP 48534 49153 KALAO 196
3839.5	OEM2, 9QT2
3848	ZLCH, SCDQ, JYZL, 9W7I, 9MC6, 5YF8
3866	LDB0, XIYE, ZMB2

3954 QSX 4456 kHz
 3969 OBEI, XYAU. QSX 4471 kHz
 4456 HSDC, 5BF9, S10M, 3ELG, Y8J3, BV20, KY3E, VP41, 5BFG, BV20, QDLZ, PB6R, MGYM, OBEI, ACKJ, HXLP, L8KZ, Y1BH, NIPF, TH8R, 8JL8, TMPN, XC7D, 8M7Y, TMPN. QSX freq 3954 kHz.
 4471 XYAU, ZGMT, 6ZPR, HYWO, Kfv2, A8GI. QSX freq 3969 kHz.
 4521 REA4: AF HQ Moscow //6978 kHz
 4826 D3AX, 5BLM, T8BH, NMG0, FNHG, LUK2, Z7LH, IZ9Z, SFL8, AWIU, OTMP, GY4D, 2COB, J69V, FSQR, IZCZ, GEFM, D4A4, Q1ID, NPOA, 9TKC, NDNU, HDKR, QFV7, LCS4, PX6W, 5YOQ, T78Y, VAEF, QHWK, JCLJ, PA9Q, MVC1, ESUP, GQJQ, 3JH1, 4PG7, 6SPR, KLIH, 1WS5, EHAQ, BH7S, GZBW, V9SP, VQY2, GD2E, 7DA5, QFZJ, 5JJM, GUKO, VMLM, PHDE, MYN5, AHNG, 5AQD, 9XMN, AHNG.
 Flash message: XXX XXX ESUP ESUP 96856 57474 ESKORT 573
 96856 57474 ESKORT 573
 4863 PABA
 Flash message: XXX XXX PABA PABA 57599 NEWDYMYJ 6799
 4489 TQ1, ZJT0
 4917 NATP, G4IB
 5376 2QWH, 4BSS
 5418 BT6K
 6220 8LAR, G1JP, 1ENW
 6768 S7VS, MWKM, 9LKR
 6779 TCY2, MAJA
 6831 QSX 7512
 7512 2IAK, NZJT, IEKM, 4VKC, ULZD, T70J, WNJG, 2NJG, MFNN.
 QSX freq 6831 kHz.
 8816 RJF94, Russian Naval Aviation Moscow 1112 CW Wkg aircraft 26836 who reports = QTH ULLB 345 120 QTR 1110 QBD 4200 K. RJC38: Russian Naval Aviation Southern Sector 1119 CW Calls RJF94 for QSA. Then repeats back 26836's report of 1112.
 11136 PVKP, ETNP
 12152 STM4, 08AU, ZHZR, KFGQ
 19256 RDL

In a recent issue of N&O we mentioned this log:

7038 kHz, RGT77 with 5LGs (Cyrillic characters) after:

"RGT77 RGT77 541 = K "

(RTG77 has been around for many years and was observed with "XXX XXX" flash messages in the past. So far I have never seen a positive id. Does anyone know who this is?

Well, the answer is here: it is more-or-less the HF Morse equivalent of RDL on 18.1 kHz, but only for strategic 'flash' messages, and only in Morse. There have been some 10 or more frequencies seen over the years, but as the transmissions are usually rather short, and probably subject to seasonal change, they are difficult to track down. The office location is Moscow (as for RDL) and the transmitters can be

anywhere.

-0-0-0-0-0-0-0-0-0-0-

* INTELLIGENCE NEWS *

::: N.KOREA / USA

A naturalized American citizen, John Jongwong Yai, pleaded guilty in Los Angeles to three felony charges for acting as an agent for North Korea, reports CNN.com. Between 1997 and 2000, Yai obtained classified U.S. information for North Korea and recruited other agents to meet with North Korean officials abroad. In August 2000, Yai's wife, Susan, returned to the U.S. after meeting with a North Korean official in the Czech Republic and Vienna, Austria. U.S. officials said fax and e-mail communications between Yai and his North Korean contacts were written in code to conceal content.

(Source: American Foreign Policy Council)

<<<<>>>>

::: RUSSIA

Intelligence is traditionally the most powerful and sensitive sector of Russian government. It took a president as firm in the saddle as Vladimir Putin, 47, to dare tame the tiger.

Just before leaving for Camp David for his September 26-27 visit with President George W. Bush, Putin named Army General Anatoly Kvashnin, chief of staff of Russia's armed forces, as overlord of all Russian intelligence services ñ according to an exclusive report from Moscow by DEBKA-Net-Weekly's military and intelligence sources. For the first time since the tsars sat on the Kremlin throne, one man headed Russia's armed forces and its sprawling intelligence-security empire, making Kvashnin the strongest man in Russia after Putin.

At the age of 57, Russia's top general stands at the helm of the SVR-Russian Foreign Intelligence Service (the Russian equivalent of the US CIA), the FSB-Federal Security Service (the Russian FBI) and the FAPSI -The Federal Agency for Government, Communication and Information. FAPSI is the Russian version of the US National Security Agency, but unlike the NSA, which collects intelligence only outside the United States, FAPSI handles electronic surveillance and monitoring and the gathering of trade and financial information both at home and overseas. As chief of staff of the military, Kvashnin is also boss of the GRU, or Russian military intelligence.

(Source: DEBKA)

-0-0-0-0-0-0-0-0-0-0-

* INTELLIGENCE PROFILE: EGYPT *

Background:

Nominally independent from the UK in 1922, Egypt acquired full sovereignty following World War II. The completion of the Aswan High Dam in 1971 and the resultant Lake Nasser have altered the time-honored place of the Nile river in the agriculture and ecology of Egypt. A rapidly growing population (the largest in the Arab world), limited arable land, and dependence on the Nile all continue to overtax resources and stress society. The government has struggled to ready the economy for the new millennium through economic reform and massive investment in communications and physical infrastructure.

General:

Country name: Arab Republic of Egypt
Local name : Jumhuriyat Misr al-Arabiyah
Short name : Egypt or Misr
Governorates: Ad Daqahliyah, Al Bahr al Ahmar, Al Buhayrah, Al Fayyum, Al Gharbiyah, Al Iskandariyah, Al Isma'iliyah, Al Jizah, Al Minufiyah, Al Minya, Al Qahirah, Al Qalyubiyah, Al Wadi al Jadid, Ash Sharqiyah, As Suways, Aswan, Asyut, Bani Suwayf, Bur Sa'id, Dumyat, Janub Sina', Kafr ash Shaykh, Matruh, Qina, Shamal Sina', Suhaj

Military branches:

Army, Navy, Air Force, Air Defense Command

Intelligence agencies:

Al-Mukhabarat al-'Ammah
Mukhabarat el-Khabeya
Mubahath el-Dawla
Jihaz Amn al Daoula

::: Intelligence Agencies

Beside Jihaz Amn al Daoula (State Security Service), Egypt's internal security is the responsibility of three intelligence organizations: General Intelligence (Al-Mukhabarat al-'Ammah / General Intelligence and Security Service), attached to the presidency; Military Intelligence (Mukhabarat el-Khabeya / Military Intelligence Service), attached to the Ministry of Defense; and the Mubahath el-Dawla (General Directorate for State Security Investigations - GDSSI), under direct control of the minister of interior. Any of these agencies can undertake investigations

of matters pertaining to national security, but the GDSSI was and still is the main organization for domestic security matters.

Nasser established a pervasive and oppressive internal security apparatus. The security police detained as many as 20,000 political prisoners at a time and discouraged public discussions or meetings that could be construed as unfriendly to the government. The security police recruited local informants to report on the activities and political views of their neighbors. Under Sadat intelligence forces were less obtrusive but still managed to be well informed and effective in monitoring subversives, opposition politicians, and foreigners. The GDSSI remained in 1990 the primary organ for combatting political subversion even after Mubarak and the judiciary took several steps to limit the organization's power.

Sources:

US Army Area Handbook
CIA World Factbook
Federation of American Scientists (FAS)
Library of Congress Country Studies

-0-0-0-0-0-0-0-0-0-0-

* LOGS SECTION *

As promised..... the logs from 1 September to 1 December.

3025.0	M08a	ID 32602 74913 20261 CW 4-9-2003 Thu 1000 (MS)
3025.0	M08a	ID 16932 92043 62871 CW 25-9-2003 Thu 1000 (MS)
3025.0	M08a	ID 77291 29061 32792 CW 2-9-2003 Tue 1000 (MS)
3026.0	V02a	(too weak to copy - regular M8a sked did not show up) USB 13-9-2003 Sat 1000 (MS)
3244.0	M08a	ID 70101 81221 53443 CW 13-9-2003 Sat 1000 (MS)
3244.0	M08a	ID 82570 22992 74793 CW 20-9-2003 Sat 1000 (MS)
3292.0	M08a	M8a, fair/mostly unreadable sigs, sigs too weak for decoder, V2a accompaniment USB 9-9-2003 Tue 0200 (CA2)
3292.0	M08a	M8a, USB 16-9-2003 Tue 0200 (CA2)
3292.0	M08a	M8a, fair/probably USB 23-9-2003 Tue 0200 (CA2)
3292.0	V02a	V2a, fair/strong/readable sigs, into message, M8a accompaniment USB 9-9-2003 Tue 0200 (CA2)
3292.0	V02a	V2a, strong/readable AM 16-9-2003 Tue 0200 (CA2)
3292.0	V02a	V2a, strong/readable AM 23-9-2003 Tue 0200 (CA2)
3292.0	V02a	A _____ 33111 AM 22-11-2003 Sat 0403 (BM)
3336.2	MX	Channel marker "L" CW 12-11-2003 Wed 1946 (AB)
3337	M92	c6cp c6cp c6cp de s8bd s8bd qtc 874 + CW 5-9-2003 Fri 2230 (AB)
3415.0	E10	ART 12 QYPKQ//5435 USB 20-10-2003 Mon 1830 (JAQ)
3415.0	E10	ART2//5435 USB 20-10-2003 Sun 1930 (JAQ)

3416.0 E10 ART 19 RBEC0//5435 USB 4-10-2003 Sat 1830 (JAQ)
3525 M45 525-221/31=23782 //4025 CW 6-11-2003 Thu 1802 (HFD)
3639 M89 v cqmsg cqmsg cqmsg de cqmsg cqmsg (rptd) //4146 kHz
CW 16-11-2003 1354 (IB)
3640.0 E10 CI02//5230, 7811 USB 4-10-2003 Sat 1845 (JAQ)
3640.0 E10 SYN2 USB 5-10-2003 Sun 1845 (JAQ)
3640.0 E10 SYN2 USB 17-10-2003 Fri 1845 (JAQ)
3640.0 E10 SYN2 USB 19-10-2003 Fri 1845 (JAQ)
3640.0 E10 CI02//5170 USB 13-11-2003 Thu 1945 (JAQ)
3658 MX Channel marker "V" CW 10-11-2003 Mon 2110 (AB)
3658 MX Channel marker "V", Khiva CW 10-11-2003 2115 (PP1)
3756.0 S30 The Pip USB 19-9-2003 Fri 2339 (OV)
3823 S21 323 hard to copy AM 25-11-2003 Tue 1842 (HFD)
3828.9 XSW Squeaky Wheel channel marker 12-11-2003 Wed 1939 (AB)
3840.0 E10 YHF2//4560 USB 10-10-2003 Fri 0330 (BS4)
3840.0 E10 YHF 9 KPJNB USB 14-10-2003 Tue 0000 (GG)
3840.0 E10 YHF in tfc USB 20-10-2003 Mon 0005 (BS4)
3926.0 M08a ID 39273 39212 04362 (rpt of 0300z on 4027m) CW
2-9-2003 Tue 0400 (MS)
3926.0 M08a ID 48283 32792 74912 CW 3-9-2003 Wed 1000 (MS)
3926.0 M08a (in progress - missed callup) CW 5-9-2003 Fri 1000
3926.0 M08a (in progress, late start) CW 21-9-2003 Sun 1026 (MS)
3926.0 M08a ID 87681 32631 34191 CW 28-9-2003 Sun 1000 (MS)
3937 M13B 323:0 CW 13-9-2003 Sat 2100 (HFD)
4015.0 E10 VLB2//5170, 6912 USB 4-10-2003 Sat 1845 (JAQ)
4015.0 E10 VLV2//5170 USB 5-10-2003 Sun 1845 (JAQ)
4015.0 E10 VLB2//5170 USB 9-10-2003 Thu 1945 (JAQ)
4015.0 E10 VLB2//5170 USB 17-10-2003 Fri 1845 (JAQ)
4015.0 E10 VLB2//5170 USB 19-10-2003 Fri 1845 (JAQ)
4015.0 E10 VLB2 USB 20-10-2003 Sun 1945 (JAQ)
4017.0 V02a V2a, fair/strong/readable sigs, M8a accompaniment USB
9-9-2003 Tue 0300 (CA2)
4025 M45 525-221/31=23782 //3525 CW 6-11-2003 Thu 1802 (HFD)
4027.0 M08a ID 39273 39212 04362 CW 2-9-2003 Tue 0300 (MS)
4027.0 M08a M8a, fair/strong/mostly unreadable sigs, sigs to weak
for decoder. USB 9-9-2003 Tue 0300 (CA2)
4027.0 M08a ID 70101 81221 53443 (rpt of 1000z on 3244m) CW
13-9-2003 Sat 1100 (MS)
4027.0 M08a ID 82570 22992 74793 (rpt of 1000z on 3244m) CW
20-9-2003 Sat 1100 (MS)
4027.0 M08a ID 66343 65853 62873 CW 27-9-2003 Sat 1100 (MS)
4027.0 V02a V2a, fair/mostly readable sigs, M8a, accompaniment USB
9-9-2003 Tue 0300 (CA2)
4028.0 M08a M8a, weak/mostly unreadable sigs, into message, strong
V2a accompaniment USB 13-9-2003 Sat 0300 (CA2)
4028.0 V02 This TX was also herd on 4017 simultaneousley LSB
22-9-2003 Mon 0328 (SMA)
4028.0 V02a A 40643 11243 94023; M8a in bg; repeat of 0400/4479

sked AM 5-9-2003 Tue 0500 (BM)

4028.0 V02a V2a, strong/readable sigs, into message, weak M8a
accompaniment USB 13-9-2003 Sat 0300 (CA2)

4034.0 V02a V2a, weak/barely USB 24-9-2003 Wed 1200 (CA2)

4035.0 V02a some fading and QRM from MARS net USB 25-10-2003 Sat
0011 (TH2)

4124 M13 284 CW 7-11-2003 Fri 2100 (HFD)

4124 M13 284 CW 8-11-2003 Sat 2100 (HFD)

4124 M13 284 CW 21-11-2003 Fri 2100 (HFD)

4124 M13 284 CW 22-11-2003 Sat 2100 (HFD)

4146 M89 v cqmsg cqmsg cqmsg de cqmsg cqmsg (rptd) //3639 kHz
CW 16-11-2003 1354 (IB)

4165.0 E10 KPA2//4648, 5339 USB 5-9-2003 Fri 0315 (BS4)

4165.0 E10 KPA2//4648 USB 26-9-2003 Fri 0215 (BS4)

4165.0 E10 MIW2//4360 USB 15-10-2003 Wed 0115 (BS4)

4173.0 M08a ID 48283 32792 74912 (rpt of 1000z on 3926m) CW
3-9-2003 Wed 1100 (MS)

4173.0 M08a ID 81841 41971 16491 CW 7-9-2003 Sun 1100 (MS)

4173.0 M08a ID 82573 17311 22993 CW 21-9-2003 Sun 1100 (MS)

4173.0 M08a ID 87681 32631 34191 (rpt of 1000z on 3926m) CW
28-9-2003 Sun 1100 (MS)

4222 M13C 899 CW 2-10-2003 Thu 2100 (HFD)

4270.0 E10 PCD 94 ?VERA USB 1-9-2003 Wed 1830 (JAQ)

4270.0 E10 PCD 94 JUERA USB 2-9-2003 Tue 1830 (JAQ)

4270.0 E10 PCD USB 3-9-2003 Wed 1830 (JAQ)

4270.0 E10 PCD2 USB 4-9-2003 Thu 2230 (JAQ)

4270.0 E10 PCD USB 4-9-2003 Thu 2330 (JAQ)

4270.0 E10 PCD USB 5-9-2003 Fri 2130 (JAQ)

4270.0 E10 PCD2 USB 5-9-2003 Fri 2230 (JAQ)

4270.0 E10 PCD USB 6-9-2003 Sat 1830 (JAQ)

4270.0 E10 PCD 24 VFHRO USB 7-9-2003 Sun 1830 (JAQ)

4270.0 E10 PCD 8 GCRQL USB 7-9-2003 Sun 1930 (JAQ)

4270.0 E10 PCD 44 NF??G USB 9-9-2003 Tue 1830 (JAQ)

4270.0 E10 PCD USB 12-9-2003 Fri 2230 (JAQ)

4270.0 E10 PCD 49 CRR?V USB 12-9-2003 Fri 2330 (JAQ)

4270.0 E10 PCD 49 NFXPG USB 13-9-2003 Sat 1830 (JAQ)

4270.0 E10 PCD 49 NFXPG USB 14-9-2003 Sun 1830 (JAQ)

4270.0 E10 PCD 20 VJZMN USB 14-9-2003 Sun 1930 (JAQ)

4270.0 E10 PCD2 USB 15-9-2003 Mon 1830 (JAQ)

4270.0 E10 PCD2 USB 18-9-2003 Thu 1830 (JAQ)

4270.0 E10 PCD 5 JUZDK USB 18-9-2003 Thu 1930 (JAQ)

4270.0 E10 PCD2 USB 19-9-2003 Fri 1830 (JAQ)

4270.0 E10 PCD 8 EIKFX USB 19-9-2003 Fri 1930 (JAQ)

4270.0 E10 PCD 10 JCROW USB 20-9-2003 Sat 2130 (JAQ)

4270.0 E10 PCD 93 DW???, 35 OZJ?? USB 20-9-2003 Sat 2230 (JAQ)

4270.0 E10 PCD2 USB 21-9-2003 Sun 2330 (JAQ)

4270.0 E10 PCD USB 22-9-2003 Mon 0033 (OV)

4270.0 E10 PCD 49 NFXPG USB 22-9-2003 Mon 1830 (JAQ)

4270.0 E10 PCD 120 RIYMJ, 39 DYAUD USB 22-9-2003 Mon 1930 (JAQ)
 4270.0 E10 PCD 60 MARYA, 75 NFXPG USB 26-9-2003 Fri 1830 (JAQ)
 4270.0 E10 PCD 84 XZOSS USB 27-9-2003 Sat 1830 (JAQ)
 4270.0 E10 PCD 60 MARYA, 75 NFXPG USB 28-9-2003 Sun 1830 (JAQ)
 4270.0 E10 PCD in tfc USB 1-10-2003 Wed 0030 (BS4)
 4270.0 E10 PCD 56 XZOSS, 84 YROPY USB 1-10-2003 Wed 1830 (JAQ)
 4270.0 E10 PCD2 USB 2-10-2003 Thu 2130 (JAQ)
 4270.0 E10 PCD 90 YOTRI USB 2-10-2003 Thu 2230 (JAQ)
 4270.0 E10 PCD 23 NFQTN USB 3-10-2003 Fri 1930 (JAQ)
 4270.0 E10 PCD 73 AINJE, 44 DURVE USB 4-10-2003 Sat 1800 (JAQ)
 4270.0 E10 PCD2 USB 4-10-2003 Sat 1830 (JAQ)
 4270.0 E10 PCD 21 YHTSJ USB 4-10-2003 Sat 1900 (JAQ)
 4270.0 E10 PCD 73 AINJE, 44 DURVE USB 5-10-2003 Sun 1800 (JAQ)
 4270.0 E10 PCD2 USB 5-10-2003 Sun 1830 (JAQ)
 4270.0 E10 PCD USB 5-10-2003 Sun 1900 (JAQ)
 4270.0 E10 PCD2 USB 6-10-2003 Mon 2130 (JAQ)
 4270.0 E10 PCD 19 WKBJB USB 6-10-2003 Mon 2230 (JAQ)
 4270.0 E10 PCD USB 7-10-2003 Tue 1930 (JAQ)
 4270.0 E10 PCD2 USB 7-10-2003 Tue 2030 (JAQ)
 4270.0 E10 PCD 73 AINJX, 44 AUR?? USB 9-10-2003 Thu 1800 (JAQ)
 4270.0 E10 PCD2 USB 9-10-2003 Thu 1830 (JAQ)
 4270.0 E10 PCD2 USB 9-10-2003 Thu 1900 (JAQ)
 4270.0 E10 PCD2 USB 9-10-2003 Thu 1930 (JAQ)
 4270.0 E10 PCD2 USB 9-10-2003 Thu 2000 (JAQ)
 4270.0 E10 PCD 73 AINJE, 44 AUR?? USB 11-10-2003 Sat 1800 (JAQ)
 4270.0 E10 PCD1 USB 11-10-2003 Sat 1900 (JAQ)
 4270.0 E10 PCD 108 RTYMZ USB 13-10-2003 Mon 1800 (JAQ)
 4270.0 E10 PCD USB 13-10-2003 Mon 1830 (JAQ)
 4270.0 E10 PCD2 USB 13-10-2003 Mon 1900 (JAQ)
 4270.0 E10 PCD2 USB 17-10-2003 Fri 1800 (JAQ)
 4270.0 E10 PCD 83 S?FCR USB 17-10-2003 Fri 1830 (JAQ)
 4270.0 E10 PCD1 USB 17-10-2003 Fri 1900 (JAQ)
 4270.0 E10 PCD2 USB 19-10-2003 Fri 1800 (JAQ)
 4270.0 E10 PCD 82 SJPCR USB 19-10-2003 Fri 1830 (JAQ)
 4270.0 E10 PCD1 USB 19-10-2003 Sun 1900 (JAQ)
 4270.0 E10 PCD USB 20-10-2003 Mon 1800 (JAQ)
 4270.0 E10 PCD USB 20-10-2003 Mon 1830 (JAQ)
 4270.0 E10 PCD 78 PDBPN, 39 UYWWD USB 20-10-2003 Mon 1900 (JAQ)
 4270.0 E10 PCD 13 CZATA USB 20-10-2003 Sun 1930 (JAQ)
 4270.0 E10 YHF2 USB 20-10-2003 Sun 2000 (JAQ)
 4270.0 E10 PCD 63 IQ?BZ USB 22-10-2003 Wed 0005 (BS4)
 4270.0 E10 PCD 86 ?VXZD//6498 USB 22-10-2003 Wed 0030 (BS4)
 4270.0 E10 PCD USB 13-11-2003 Thu 1900 (JAQ)
 4270.0 E10 PCD 98 OSFKQ, 65 VIRTUS USB 13-11-2003 Thu 1930 (JAQ)
 4270.0 E10 PCD2 USB 13-11-2003 Thu 2000 (JAQ)
 4329.0 V02a ID 34371 40642 91413 (YL/SS) (rpt of 0300z on 4479m)
 USB 3-9-2003 Wed 0400 (MS)
 4329.0 V02a In prog. AM 3-9-2003 Wed 0441 (BM)

4360 M13C 410 CW 4-9-2003 Thu 2100 (HFD)
 4360 M13C 610 CW 18-9-2003 Thu 2100 (HFD)
 4360.0 E10 MIW2//6930 USB 4-9-2003 Thu 2315 (JAQ)
 4360.0 E10 MIW2//6930, 7605 USB 5-9-2003 Fri 0315 (BS4)
 4360.0 E10 MIW2//6930 USB 5-9-2003 Fri 2115 (JAQ)
 4360.0 E10 MIW2//6930 USB 7-9-2003 Sun 1915 (JAQ)
 4360.0 E10 MIW2//6930 USB 12-9-2003 Fri 2215 (JAQ)
 4360.0 E10 MIW2//6930 USB 14-9-2003 Sun 1915 (JAQ)
 4360.0 E10 MIW2//6930 USB 18-9-2003 Thu 1915 (JAQ)
 4360.0 E10 MIW2//6930 USB 19-9-2003 Fri 1915 (JAQ)
 4360.0 E10 MIW2//6930 USB 20-9-2003 Sat 2215 (JAQ)
 4360.0 E10 MIW2//6930 USB 21-9-2003 Sun 2315 (JAQ)
 4360.0 E10 MIW2//6930, 7605 USB 26-9-2003 Fri 0215 (BS4)
 4360.0 E10 MIW2//6930 USB 2-10-2003 Thu 2215 (JAQ)
 4360.0 E10 MIW, large number of repeats//6930 USB 3-10-2003 Fri 1915 (JAQ)
 4360.0 E10 MIW2//6930 USB 6-10-2003 Mon 2215 (JAQ)
 4360.0 E10 MIW2//6930 USB 7-10-2003 Tue 2015 (JAQ)
 4360.0 E10 MIW2//6930 USB 9-10-2003 Thu 1915 (JAQ)
 4360.0 E10 MIW2//4165 USB 15-10-2003 Wed 0115 (BS4)
 4454 S21 454-862/37=95846 //4854 AM 2-9-2003 Tue 1842 (HFD)
 4454.0 S21 "454 862 37 BT 95846,,," USB 2-9-2003 Tue 1843 (AF)
 4461.0 E10 FTJ USB 4-9-2003 Thu 0100 (BS4)
 4461.0 E10 FTJ 43 PHYI? USB 11-9-2003 Thu 0100 (BS4)
 4461.0 E10 FTJ USB 14-9-2003 Sun 0300 (BS4)
 4461.0 E10 FTJ 28 ZFJJB USB 19-9-2003 Fri 2000 (JS3)
 4461.0 E10 FTJ USB 20-9-2003 Sat 0102 (OV)
 4461.0 E10 FTJ USB 25-9-2003 Thu 0300 (BS4)
 4461.0 E10 FTJ 12 DIXQJ USB 1-10-2003 Wed 0100 (BS4)
 4461.0 E10 FTJ 117 XYFTC, 42 ZZJKI USB 9-10-2003 Thu 0300 (BS4)
 4461.0 E10 FTJ USB 9-10-2003 Thu 2330 (BS4)
 4461.0 E10 FTJ 117 XYFTC, 42 ZZJKI USB 10-10-2003 Fri 0300 (BS4)
 4461.0 E10 FTJ USB 17-10-2003 Fri 2330 (BS4)
 4461.0 E10 FTJ 31 WTVOF USB 21-10-2003 Tue 0100 (BS4)
 4461.0 E10 FTJ2 USB 2-11-2003 Sun 2130 (JS3)
 4461.0 E10 FTJ USB 5-11-2003 Wed 0300 (BS4)
 4461.0 E10 FTJ 65 NFLVV USB 7-11-2003 Fri 0100 (BS4)
 4461.0 E10 FTJ in tfc USB 7-11-2003 Fri 0300 (BS4)
 4477.0 M08a M8a, strong/readable USB 30-9-2003 Tue 1100 (CA2)
 4478.0 M08a ID 77291 29061 32792 (rpt of 1000z on 3025m) CW 2-9-2003 Tue 1100 (MS)
 4478.0 M08a ID 32602 74913 20261 (rpt of 1000z on 3025m) CW 4-9-2003 Thu 1100 (MS)
 4478.0 M08a M8a, strong/readable sigs, into message USB 9-9-2003 Tue 1100 (CA2)
 4478.0 M08a M8a, strong/readable sigs, into message, ID is ????? 20153 53441 USB 11-9-2003 Thu 1100 (CA2)
 4478.0 M08a (too weak to copy) CW 13-9-2003 Sat 1100 (MS)

4478.0 M08a M8a, fair/unreadable USB 23-9-2003 Tue 1100 (CA2)
 4478.0 M08a ID 16932 92043 62871 (rpt of 1000z on 3025m) CW
 25-9-2003 Thu 1100 (MS)
 4479.0 V02a ID 34371 40642 91413 (YL/SS) USB 3-9-2003 Wed 0300
 4479.0 V02a In prog. AM 3-9-2003 Wed 0340 (BM)
 4479.0 V02a A 40643 11243 94023; false start at 0353; cw modulated
 on carrier AM 5-9-2003 Tue 0400 (BM)
 4479.0 V02a V2a, strong/readable AM 17-9-2003 Wed 0300 (CA2)
 4482 M51 NR 44N 06 21:05:47 2003 = PEVYQ GEVRZ CW 6-11-2003
 2006 (RGA)
 4490 M01 197 CW 6-11-2003 Thu 2000 (HFD)
 4505 M01? 456 (rptd) 172 1340 = 60404 57247 ... 60404 57247 = 0
 0 0 CW 6-10-2003 2025 (RGA)
 4519 G06 271:958/46=01203 AM 13-11-2003 Thu 1830 (HFD)
 4555 M45 555-862/37=95846 //4955 CW 2-9-2003 Tue 1802 (HFD)
 4558 M21 Russian Air Defense BT991919??8????? CW 4-10-2003
 1520 (JAK)
 4558.0 MX Cluster Beacon C CW 19-9-2003 Fri 2220 (OV)
 4560.0 E10 YHF 40 YVKYY USB 5-9-2003 Fri 0330 (BS4)
 4560.0 E10 YHF2//5820 USB 4-10-2003 Sat 1900 (JAQ)
 4560.0 E10 YHF 22 VMTEA//5820 USB 5-10-2003 Sun 1900 (JAQ)
 4560.0 E10 YHF2 USB 9-10-2003 Thu 2000 (JAQ)
 4560.0 E10 YHF2//3840 USB 10-10-2003 Fri 0330 (BS4)
 4560.0 E10 YHF2 USB 13-10-2003 Mon 0330 (BS4)
 4560.0 E10 YHF 117 OULK?//5820 USB 13-10-2003 Mon 1900 (JAQ)
 4560.0 E10 YHF2 USB 16-10-2003 Thu 0230 (BS4)
 4560.0 E10 YHF 66 MINUP//5820 USB 17-10-2003 Fri 1900 (JAQ)
 4560.0 E10 YHF 53 JWLPG//5820 USB 19-10-2003 Sun 1900 (JAQ)
 4560.0 E10 YHF 45 OELVR USB 7-11-2003 Fri 0330 (BS4)
 4617 XP msg AM 18-11-2003 Tue 2140 (HFD)
 4625.0 S28 The Buzzer USB 19-9-2003 Fri 2244 (OV)
 4625.0 S28 USB 22-9-2003 Mon 1852 (OV)
 4625.0 S28 USB 22-9-2003 Mon 2312 (OV)
 4640.0 E10 KPA2//5339 USB 22-9-2003 Mon 1915 (JAQ)
 4648.0 E10 KPA2//5339 USB 4-9-2003 Thu 2315 (JAQ)
 4648.0 E10 KPA2//4165, 5339 USB 5-9-2003 Fri 0315 (BS4)
 4648.0 E10 KPA2//5339 USB 5-9-2003 Fri 2115 (JAQ)
 4648.0 E10 KPA2//5339 USB 7-9-2003 Sun 1915 (JAQ)
 4648.0 E10 KPA2//5339 USB 12-9-2003 Fri 2215 (JAQ)
 4648.0 E10 KPA2//5339 USB 14-9-2003 Sun 1915 (JAQ)
 4648.0 E10 KPA2//5339 USB 19-9-2003 Fri 1915 (JAQ)
 4648.0 E10 KPA2//5339 USB 20-9-2003 Sat 2215 (JAQ)
 4648.0 E10 KPA2//5339 USB 21-9-2003 Sun 2315 (JAQ)
 4648.0 E10 MIW2//6930 USB 22-9-2003 Mon 1915 (JAQ)
 4648.0 E10 KPA2//4165 USB 26-9-2003 Fri 0215 (BS4)
 4648.0 E10 KPA2//5339 USB 2-10-2003 Thu 2215 (JAQ)
 4648.0 E10 KPA2//5339 USB 3-10-2003 Fri 1915 (JAQ)
 4665 M13 346 228 22 CW 25-11-2003 2200 (JP)

4780.0 E10 SYN2 USB 2-9-2003 Tue 0245 (BS4)
4780.0 E10 SYN2//8025 USB 14-10-2003 Tue 0145 (BS4)
4792 G06 436-958/46=01203 AM 28-11-2003 Fri 1930 (HFD)
4792.0 G06 "436" USB 28-11-2003 Fri 1930 (AF)
4854 S21 454-862/37=95846 //4454 AM 2-9-2003 Tue 1842 (HFD)
4854.0 S21 "454 862 37 BT 95846,,," LSB 2-9-2003 Tue 1843 (AF)
4879.7 E10 ULX USB 19-10-2003 Sun 0330 (GG)
4880 E10 ULX AM 15-10-2003 2200 (RMA)
4880.0 E10 E10, into message, weak/inaudible unreadable sigs USB
3-9-2003 Wed 0230 (CA2)
4880.0 E10 USB 3-9-2003 Wed 0230 (CA2)
4880.0 E10 ULX in tfc USB 4-9-2003 Thu 0200 (BS4)
4880.0 E10 E10, calling ULX, weak/inaudible unreadable sigs USB
4-9-2003 Thu 0230 (CA2)
4880.0 E10 ULX 64 TEPUB USB 6-9-2003 Sat 0230 (BS4)
4880.0 E10 ULX2 USB 7-9-2003 Sun 0030 (BS4)
4880.0 E10 ULX USB 8-9-2003 Mon 0030 (BS4)
4880.0 E10 ULX USB 9-9-2003 Tue 0230 (BS4)
4880.0 E10 ULX in tfc USB 10-9-2003 Wed 0200 (BS4)
4880.0 E10 ULX in tfc USB 11-9-2003 Thu 0200 (BS4)
4880.0 E10 ULX USB 11-9-2003 Thu 2230 (BS4)
4880.0 E10 ULX USB 13-9-2003 Sat 0030 (BS4)
4880.0 E10 ULX in tfc USB 13-9-2003 Sat 0200 (BS4)
4880.0 E10 ULX USB 13-9-2003 Sat 2230 (BS4)
4880.0 E10 ULX USB 22-9-2003 Mon 0030 (BS4)
4880.0 E10 ULX2 USB 30-9-2003 Tue 0200 (BS4)
4880.0 E10 ULX 28 PAIIN USB 1-10-2003 Wed 0030 (BS4)
4880.0 E10 ULX2 USB 3-10-2003 Fri 2230 (BS4)
4880.0 E10 ULX 52 BVLFK USB 7-10-2003 Tue 0230 (BS4)
4880.0 E10 ULX 11 QHTPC USB 15-10-2003 Wed 0030 (BS4)
4880.0 E10 ULX2 USB 17-10-2003 Fri 2200 (BS4)
4880.0 E10 ULX1 USB 17-10-2003 Fri 2230 (BS4)
4880.0 E10 ULX2 USB 20-10-2003 Mon 2200 (BS4)
4880.0 E10 ULX 49 YENGK USB 2-11-2003 Sun 2130 (JS3)
4880.0 E10 ULX in tfc USB 5-11-2003 Wed 0200 (BS4)
4955 M45 555-862/37=95846 //4555 CW 2-9-2003 Tue 1802 (HFD)
5011 M21 Russian Air Defense CW 5-10-2003 1530 (JAK)
5017 M01 463-419/31=94813 CW 2-9-2003 Tue 2000 (HFD)
5085 E07 980:1-8513/63= 24369 AM 30-11-2003 Sun 1840 (HFD)
5091.0 E10 JSR 31 XPCRUV (? weak signal) USB 4-9-2003 Thu 2100
5091.0 E10 JSR 110 EJWYB USB 5-9-2003 Fri 0330 (BS4)
5091.0 E10 JSR 92 PUHKY USB 13-9-2003 Sat 2230 (BS4)
5091.0 E10 JSR USB 15-9-2003 Mon 2100 (GG)
5091.0 E10 JSR Message 2196 USB 27-9-2003 Sat 0330 (SMA)
5091.0 E10 JSR 54 FPYSY USB 27-9-2003 Sat 1730 (GG)
5091.0 E10 JSR 84 CKCXL USB 3-10-2003 Fri 2200 (GG)
5091.0 E10 JSR 19 BFWTU USB 3-10-2003 Fri 2230 (BS4)
5091.0 E10 JSR 54 FPYSY USB 4-10-2003 Sat 1730 (GG)

5091.0	E10	JSR 75 PKOFA USB 4-10-2003 Sat 1800 (JAQ)
5091.0	E10	JSR USB 4-10-2003 Sat 1900 (JAQ)
5091.0	E10	JSR 67 PPXWP USB 4-10-2003 Sat 2100 (GG)
5091.0	E10	JSR 18 JZJZF USB 4-10-2003 Sat 2200 (GG)
5091.0	E10	JSR 75 PKOFO USB 5-10-2003 Sun 1800 (JAQ)
5091.0	E10	JSR2 USB 5-10-2003 Sun 1900 (JAQ)
5091.0	E10	JSR 19 BFWTU USB 6-10-2003 Mon 0330 (BS4)
5091.0	E10	JSR in tfc USB 6-10-2003 Mon 2230 (BS4)
5091.0	E10	JSR USB 9-10-2003 Thu 1800 (JAQ)
5091.0	E10	JSR 28 OLDNM USB 9-10-2003 Thu 1830 (JAQ)
5091.0	E10	JSR USB 9-10-2003 Thu 1900 (JAQ)
5091.0	E10	JSR 33 OHPMN USB 9-10-2003 Thu 1930 (JAQ)
5091.0	E10	JSR2 USB 9-10-2003 Thu 2000 (JAQ)
5091.0	E10	JSR2 USB 10-10-2003 Fri 0330 (BS4)
5091.0	E10	JSR 75 PKOFO USB 11-10-2003 Sat 1800 (JAQ)
5091.0	E10	JSR 28 GXAKQ USB 11-10-2003 Sat 1830 (JAQ)
5091.0	E10	JSR2 USB 11-10-2003 Sat 1900 (JAQ)
5091.0	E10	JSR 19 BFWTU USB 12-10-2003 Sun 0330 (BS4)
5091.0	E10	JSR 19 BFWTU USB 13-10-2003 Mon 0330 (BS4)
5091.0	E10	JSR 75 PKOFO USB 13-10-2003 Mon 1800 (JAQ)
5091.0	E10	JSR 60 ????? USB 13-10-2003 Mon 1830 (JAQ)
5091.0	E10	JSR2 USB 13-10-2003 Mon 1900 (JAQ)
5091.0	E10	JSR 19 BFWTU USB 16-10-2003 Thu 0230 (BS4)
5091.0	E10	JSR 60 ????? USB 17-10-2003 Fri 1830 (JAQ)
5091.0	E10	JSR USB 17-10-2003 Fri 1900 (JAQ)
5091.0	E10	JSR USB 17-10-2003 Fri 2200 (BS4)
5091.0	E10	JSR2 USB 19-10-2003 Sun 0330 (GG)
5091.0	E10	JSR 60 SVGPJ USB 19-10-2003 Fri 1830 (JAQ)
5091.0	E10	JSR 114 VWDDDB USB 20-10-2003 Mon 1830 (JAQ)
5091.0	E10	JSR 68 JSSWT USB 20-10-2003 Sun 1930 (JAQ)
5091.0	E10	JSR 8 QGCSS USB 20-10-2003 Mon 2200 (BS4)
5091.0	E10	JSR ?7 FCHPX USB 13-11-2003 Thu 1900 (JAQ)
5091.0	E10	JSR2 USB 13-11-2003 Thu 1930 (JAQ)
5091.0	E10	JSR2 USB 13-11-2003 Thu 2000 (JAQ)
5091.0	E10	USB 27-11-2003 Thu 0021 (LN)
5102	E07	981:1-9431/54= 86185 AM 3-11-2003 Mon 2140 (HFD)
5102	E07	981:0-9431/54= 86985 AM 5-11-2003 Wed 2140 (HFD)
5103.0	E07	English man, faint but audible AM 3-11-2003 Mon 2140
5117.0	V02a	(in progress - missed callup - YL/SS) USB 1-9-2003 Mon 0400 (MS)
5128	M13	261 CW 3-11-2003 Mon 2100 (HFD)
5128	M13	261 CW 17-11-2003 Mon 2000 (HFD)
5128	M13	261 CW 17-11-2003 Mon 2100 (HFD)
5154	MX	Cluster beacon "C" CW 26-10-2003 2127 (WP3)
5154.2	MX	Cluster beacon "F" CW 26-10-2003 2128 (WP3)
5162	XP	msg AM 7-11-2003 Fri 2140 (HFD)
5162	XP	msg AM 18-11-2003 Tue 2140 (HFD)
5170.0	E10	VLB2 USB 1-9-2003 Wed 1845 (JAQ)

5170.0 E10 VLB2 USB 2-9-2003 Tue 1845 (JAQ)
5170.0 E10 VLB2//7690 USB 3-9-2003 Wed 0345 (BS4)
5170.0 E10 VLB2 USB 4-9-2003 Thu 2245 (JAQ)
5170.0 E10 in prog; very faint USB 5-9-2003 Tue 0348 (BM)
5170.0 E10 VLB2 USB 5-9-2003 Fri 2245 (JAQ)
5170.0 E10 VLB2 USB 6-9-2003 Sat 1845 (JAQ)
5170.0 E10 VLB2 USB 7-9-2003 Sun 1945 (JAQ)
5170.0 E10 VLB2 USB 9-9-2003 Tue 1845 (JAQ)
5170.0 E10 VLB2 USB 10-9-2003 Wed 2345 (GG)
5170.0 E10 VLB2//7690 USB 11-9-2003 Thu 2245 (BS4)
5170.0 E10 VLB2 USB 12-9-2003 Fri 2345 (JAQ)
5170.0 E10 VLB2 USB 13-9-2003 Sat 1845 (JAQ)
5170.0 E10 VLB2 USB 14-9-2003 Sun 1945 (JAQ)
5170.0 E10 VLB2 USB 15-9-2003 Mon 1845 (JAQ)
5170.0 E10 VLB2 USB 18-9-2003 Thu 1845 (JAQ)
5170.0 E10 VLB2 USB 19-9-2003 Fri 1945 (JAQ)
5170.0 E10 VLB2 USB 20-9-2003 Sat 2245 (JAQ)
5170.0 E10 VLB2 USB 21-9-2003 Sun 2345 (JAQ)
5170.0 E10 VLB2 USB 22-9-2003 Mon 1945 (JAQ)
5170.0 E10 VLB2 USB 26-9-2003 Fri 1845 (JAQ)
5170.0 E10 VLB2 USB 27-9-2003 Sat 1845 (JAQ)
5170.0 E10 VLB2 USB 1-10-2003 Wed 1845 (JAQ)
5170.0 E10 VLB2 USB 2-10-2003 Thu 2245 (JAQ)
5170.0 E10 VLB2 USB 3-10-2003 Fri 2045 (JAQ)
5170.0 E10 VLB2//4015, 6912 USB 4-10-2003 Sat 1845 (JAQ)
5170.0 E10 VLB2//4015 USB 5-10-2003 Sun 1845 (JAQ)
5170.0 E10 VLB2 USB 6-10-2003 Mon 2245 (JAQ)
5170.0 E10 VLB2 USB 7-10-2003 Tue 2045 (JAQ)
5170.0 E10 VLB2//4015 USB 9-10-2003 Thu 1945 (JAQ)
5170.0 E10 VLB2//8127 USB 14-10-2003 Tue 0145 (BS4)
5170.0 E10 VLB2//4015 USB 17-10-2003 Fri 1845 (JAQ)
5170.0 E10 VLB2//4015 USB 19-10-2003 Fri 1845 (JAQ)
5170.0 E10 VLB2 USB 20-10-2003 Sun 1945 (JAQ)
5170.0 E10 CI02//3640 USB 13-11-2003 Thu 1945 (JAQ)
5201 M21 Russian Air Defense CW 30-10-2003 1858 (RGA)
5230.0 E10 CI02 USB 1-9-2003 Wed 1845 (JAQ)
5230.0 E10 CI02 USB 2-9-2003 Tue 1845 (JAQ)
5230.0 E10 CI02//7811 USB 3-9-2003 Wed 0345 (BS4)
5230.0 E10 CI02 USB 4-9-2003 Thu 2245 (JAQ)
5230.0 E10 CI02 USB 5-9-2003 Fri 2245 (JAQ)
5230.0 E10 CI02 USB 6-9-2003 Sat 1845 (JAQ)
5230.0 E10 CI02 USB 7-9-2003 Sun 1945 (JAQ)
5230.0 E10 CI02 USB 9-9-2003 Tue 1845 (JAQ)
5230.0 E10 CI02 USB 10-9-2003 Wed 2345 (GG)
5230.0 E10 CI02//7811 USB 11-9-2003 Thu 2245 (BS4)
5230.0 E10 CI02 USB 12-9-2003 Fri 2345 (JAQ)
5230.0 E10 CI02 USB 13-9-2003 Sat 1845 (JAQ)
5230.0 E10 CI02 USB 14-9-2003 Sun 1945 (JAQ)

5230.0 E10 CI02 USB 15-9-2003 Mon 1845 (JAQ)
5230.0 E10 CI02 USB 18-9-2003 Thu 1845 (JAQ)
5230.0 E10 CI02 USB 19-9-2003 Fri 1945 (JAQ)
5230.0 E10 CI02 USB 20-9-2003 Sat 2245 (JAQ)
5230.0 E10 CI02 USB 21-9-2003 Sun 2345 (JAQ)
5230.0 E10 CI02 USB 22-9-2003 Mon 1945 (JAQ)
5230.0 E10 CI02 USB 26-9-2003 Fri 1845 (JAQ)
5230.0 E10 CI02 USB 27-9-2003 Sat 1845 (JAQ)
5230.0 E10 CI02 USB 1-10-2003 Wed 1845 (JAQ)
5230.0 E10 CI02 USB 2-10-2003 Thu 2245 (JAQ)
5230.0 E10 CI02 USB 3-10-2003 Fri 2045 (JAQ)
5230.0 E10 CI02//3640, 7811 USB 4-10-2003 Sat 1845 (JAQ)
5230.0 E10 CI02//7811 USB 5-10-2003 Sun 1845 (JAQ)
5230.0 E10 CI02 USB 6-10-2003 Mon 2245 (JAQ)
5230.0 E10 CI02 USB 7-10-2003 Tue 2045 (JAQ)
5230.0 E10 CI02 USB 9-10-2003 Thu 1945 (JAQ)
5230.0 E10 CI02//7811 USB 14-10-2003 Tue 0145 (BS4)
5230.0 E10 CI02//7811 USB 17-10-2003 Fri 1845 (JAQ)
5230.0 E10 CI02 USB 19-10-2003 Fri 1845 (JAQ)
5230.0 E10 CI02 USB 20-10-2003 Sun 1945 (JAQ)
5254 M51 NR 240 0 7 21:36:05 2003 = MWJSR MAVIL CW 7-10-2003
1936 (RGA)
5301 S17C 28013 //8190 AM 6-9-2003 Sat 1250 (HFD)
5301 S17C 65032 //8190 AM 12-9-2003 Fri 1250 (HFD)
5301 S17C 71021 //8190 AM 14-9-2003 Sun 1250 (HFD)
5301 S17C 65032 //8190 AM 15-9-2003 Mon 1250 (HFD)
5301 S17C 65032 //8190 AM 16-9-2003 Tue 1250 (HFD)
5301 S17C 65031 //8190 AM 20-9-2003 Sat 1250 (HFD)
5301 S17C 76035 //8190 AM 23-9-2003 Tue 1250 (HFD)
5301 S17C 78034 //8190 AM 28-9-2003 Sun 1250 (HFD)
5301 S17C 87033 //8190 AM 30-9-2003 Tue 1250 (HFD)
5301 S17C 87047 //8190 AM 2-10-2003 Thu 1250 (HFD)
5301 S17C USB 29-10-2003 1250 (AF)
5301.0 M10 555x3 264x3 21 331x3 41 (R5) (// freq on 8190m, same
as one year ago) CW 2-9-2003 Tue 0450 (MS)
5301.0 M10 555x3 378x3 20 747x3 36 (R5) (// freq on 8190m) CW
8-9-2003 Mon 0450 (MS)
5310 E06 690-875/219=30151 AM 23-11-2003 Sun 1930 (HFD)
5320 E06 690:0 AM 30-11-2003 Sun 1930 (HFD)
5320 M01 197 CW 6-11-2003 Thu 1800 (HFD)
5320 M01 197 CW 18-11-2003 Tue 1800 (HFD)
5329.0 V02a A 24371 40642 91413 AM 3-9-2003 Wed 0400 (BM)
5339 E10 KPA2 AM 5-11-2003 1923 (BvR)
5339.0 E10 KPA2 USB 1-9-2003 Wed 1815 (JAQ)
5339.0 E10 KPA2 USB 2-9-2003 Tue 1815 (JAQ)
5339.0 E10 KPA2//4648 USB 4-9-2003 Thu 2315 (JAQ)
5339.0 E10 KPA2//4165, 4648 USB 5-9-2003 Fri 0315 (BS4)
5339.0 E10 KPA2//4648 USB 5-9-2003 Fri 2115 (JAQ)

5339.0 E10 KPA2 USB 6-9-2003 Sat 1815 (JAQ)
5339.0 E10 KPA2//4648 USB 7-9-2003 Sun 1915 (JAQ)
5339.0 E10 KPA2 USB 9-9-2003 Tue 1815 (JAQ)
5339.0 E10 KPA2//4648 USB 12-9-2003 Fri 2215 (JAQ)
5339.0 E10 KPA2 USB 13-9-2003 Sat 1815 (JAQ)
5339.0 E10 KPA2//4648 USB 14-9-2003 Sun 1915 (JAQ)
5339.0 E10 KPA2 USB 18-9-2003 Thu 1915 (JAQ)
5339.0 E10 KPA2//4648 USB 19-9-2003 Fri 1915 (JAQ)
5339.0 E10 KPA2//4648 USB 20-9-2003 Sat 2215 (JAQ)
5339.0 E10 KPA2//4648 USB 21-9-2003 Sun 2315 (JAQ)
5339.0 E10 KPA2//4640 USB 22-9-2003 Mon 1915 (JAQ)
5339.0 E10 KPA2 USB 26-9-2003 Fri 1815 (JAQ)
5339.0 E10 KPA2 USB 27-9-2003 Sat 1815 (JAQ)
5339.0 E10 KPA2 USB 28-9-2003 Sun 1815 (JAQ)
5339.0 E10 KPA2 USB 1-10-2003 Wed 1815 (JAQ)
5339.0 E10 KPA2//4648 USB 2-10-2003 Thu 2215 (JAQ)
5339.0 E10 KPA2//4648 USB 3-10-2003 Fri 1915 (JAQ)
5339.0 E10 KPA2//7445 USB 4-10-2003 Sat 1815 (JAQ)
5339.0 E10 CW USB 7-10-2003 Tue 0015 (AG)
5339.0 E10 KPA2 USB 13-11-2003 Thu 1915 (JAQ)
5339.0 E10 KPA2 USB 13-11-2003 Thu 2015 (JAQ)
5417.0 V02a in progress AM 4-9-2003 Thu 0200 (SK)
5417.0 V02a ID ----- 92921 (YL/SS) USB 5-9-2003 Fri 0200
5434 XM Whales 30-9-2003 2326
5435.0 E10 ART2 USB 1-9-2003 Wed 1800 (JAQ)
5435.0 E10 ART USB 1-9-2003 Wed 1830 (JAQ)
5435.0 E10 ART2 USB 1-9-2003 Wed 1900 (JAQ)
5435.0 E10 ART 12 EM?SK USB 1-9-2003 Mon 2330 (BS4)
5435.0 E10 ART2 USB 2-9-2003 Tue 0005 (BS4)
5435.0 E10 ART2 USB 2-9-2003 Tue 1800 (JAQ)
5435.0 E10 ART2 USB 2-9-2003 Tue 1830 (JS3)
5435.0 E10 ART2 USB 2-9-2003 Tue 1830 (JAQ)
5435.0 E10 ART2 USB 2-9-2003 Tue 1900 (JAQ)
5435.0 E10 ART 35 ?QRA? USB 3-9-2003 Wed 1830 (JAQ)
5435.0 E10 ART2 with JSR on same RF, JSR switched off USB
3-9-2003 Wed 1900 (JAQ)
5435.0 E10 ART 95 XC?UY USB 4-9-2003 Thu 2200 (JAQ)
5435.0 E10 ART 95 XEFXZ USB 4-9-2003 Thu 2230 (JAQ)
5435.0 E10 ART 19 KETRO USB 4-9-2003 Thu 2300 (JAQ)
5435.0 E10 ART 92 GWALL USB 4-9-2003 Thu 2330 (JAQ)
5435.0 E10 ART2 USB 5-9-2003 Fri 0005 (JAQ)
5435.0 E10 in prog; QRM USB 5-9-2003 Tue 0402 (BM)
5435.0 E10 ART2 USB 5-9-2003 Fri 2100 (JAQ)
5435.0 E10 ART 76 RXQFE USB 5-9-2003 Fri 2130 (JAQ)
5435.0 E10 ART 75 XC?VY USB 5-9-2003 Fri 2200 (JAQ)
5435.0 E10 ART 92 XEFXZ USB 5-9-2003 Fri 2230 (JAQ)
5435.0 E10 ART 19 KETRO USB 5-9-2003 Fri 2300 (JAQ)
5435.0 E10 ART2 USB 6-9-2003 Sat 1800 (JAQ)

5435.0 E10 ART 40 ?PEBR USB 6-9-2003 Sat 1830 (JAQ)
5435.0 E10 ART2 USB 6-9-2003 Sat 1900 (JAQ)
5435.0 E10 ART2 USB 7-9-2003 Sun 0130 (BS4)
5435.0 E10 ART2 USB 7-9-2003 Sun 1800 (JAQ)
5435.0 E10 ART 27 NUGVV USB 7-9-2003 Sun 1830 (JAQ)
5435.0 E10 ART2 USB 7-9-2003 Sun 1900 (JAQ)
5435.0 E10 ART 32 VQYUF USB 7-9-2003 Sun 1930 (JAQ)
5435.0 E10 ART 10? OESQL USB 7-9-2003 Sun 2000 (JAQ)
5435.0 E10 ART 94 YCZMK USB 8-9-2003 Mon 2230 (GG)
5435.0 E10 ART2 USB 9-9-2003 Tue 1800 (JAQ)
5435.0 E10 ART 63 RPFNF, 27 NUGVV USB 9-9-2003 Tue 1830 (JAQ)
5435.0 E10 ART2 USB 9-9-2003 Tue 1900 (JAQ)
5435.0 E10 ART 96 QMRKX USB 10-9-2003 Wed 0200 (BS4)
5435.0 E10 E10, fair/readable sigs, calling ART, sounded like
group 9? USB 10-9-2003 Wed 0200 (CA2)
5435.0 E10 ART 37 WRCDM USB 10-9-2003 Wed 2330 (GG)
5435.0 E10 ART in tfc USB 11-9-2003 Thu 0200 (BS4)
5435.0 E10 ART in tfc USB 12-9-2003 Fri 0130 (BS4)
5435.0 E10 ART 94 Y?ZMK USB 12-9-2003 Fri 2230 (JAQ)
5435.0 E10 ART 147 DKE?V USB 12-9-2003 Fri 2300 (JAQ)
5435.0 E10 ART 47 KEXRM USB 12-9-2003 Fri 2330 (JAQ)
5435.0 E10 ART2 USB 13-9-2003 Sat 0005 (BS4)
5435.0 E10 ART2 USB 13-9-2003 Sat 0005 (JAQ)
5435.0 E10 ULX calling, quickly stops, normal RF for ART//6986
USB 13-9-2003 Sat 0030 (BS4)
5435.0 E10 PCD call-up on an usual ART frequency for until
003419z USB 13-9-2003 Sat 0030 (GG)
5435.0 E10 ART2 USB 13-9-2003 Sat 1800 (JAQ)
5435.0 E10 ART 63 XFVAJ USB 13-9-2003 Sat 1830 (JAQ)
5435.0 E10 ART2 USB 13-9-2003 Sat 1900 (JAQ)
5435.0 E10 ART2 USB 14-9-2003 Sun 1800 (JAQ)
5435.0 E10 ART USB 14-9-2003 Sun 1830 (JAQ)
5435.0 E10 ART2 USB 14-9-2003 Sun 1900 (JAQ)
5435.0 E10 ART 32 ????? USB 14-9-2003 Sun 1930 (JAQ)
5435.0 E10 ART 35 D?YZM USB 15-9-2003 Mon 1830 (JAQ)
5435.0 E10 ART2 USB 15-9-2003 Mon 1900 (JAQ)
5435.0 E10 ART2 USB 18-9-2003 Thu 1800 (JAQ)
5435.0 E10 ART2 USB 18-9-2003 Thu 1830 (JAQ)
5435.0 E10 ART2 USB 18-9-2003 Thu 1900 (JAQ)
5435.0 E10 ART 32 VQYUF USB 18-9-2003 Thu 1930 (JAQ)
5435.0 E10 ART2 USB 19-9-2003 Fri 1800 (JAQ)
5435.0 E10 ART 180 DWDZA USB 19-9-2003 Fri 1830 (JAQ)
5435.0 E10 ART2 USB 19-9-2003 Fri 1900 (JAQ)
5435.0 E10 ART 32 VQYUF USB 19-9-2003 Fri 1930 (JAQ)
5435.0 E10 ART 73 ????? USB 19-9-2003 Fri 2000 (JAQ)
5435.0 E10 ART USB 19-9-2003 Fri 2304 (OV)
5435.0 E10 ART (gr 60 text NHYJZ FHTSY...) USB 20-9-2003 Sat 0132
(OV)

5435.0 E10 ART2 USB 20-9-2003 Sat 2100 (JAQ)
5435.0 E10 ART 76 RXQFE USB 20-9-2003 Sat 2130 (JAQ)
5435.0 E10 ART 96 QMRKX USB 20-9-2003 Sat 2200 (JAQ)
5435.0 E10 ART 96 FZOZE, ?? ????? USB 20-9-2003 Sat 2230 (JAQ)
5435.0 E10 ART 138 PWUEJ, 11 MQWNV USB 20-9-2003 Sat 2300 (JAQ)
5435.0 E10 ART 96 QMRKF USB 21-9-2003 Sun 2200 (JAQ)
5435.0 E10 ART 96 FZOZE, ?? ????? USB 21-9-2003 Sun 2230 (JAQ)
5435.0 E10 ART 18 HWSWO USB 21-9-2003 Sun 2300 (JAQ)
5435.0 E10 ART 85 WKHVN USB 21-9-2003 Sun 2330 (JAQ)
5435.0 E10 ART2 USB 22-9-2003 Mon 0002 (OV)
5435.0 E10 ART2 USB 22-9-2003 Mon 0005 (JAQ)
5435.0 E10 ART2 USB 22-9-2003 Mon 1800 (JAQ)
5435.0 E10 ART 133 SJBUU USB 22-9-2003 Mon 1830 (JAQ)
5435.0 E10 ART2 USB 22-9-2003 Mon 1900 (JAQ)
5435.0 E10 ART 32 VQYUF USB 22-9-2003 Mon 1930 (JAQ)
5435.0 E10 ART2 USB 26-9-2003 Fri 1800 (JAQ)
5435.0 E10 ART2 USB 26-9-2003 Fri 1830 (JAQ)
5435.0 E10 ART2 USB 26-9-2003 Fri 1900 (JAQ)
5435.0 E10 ART2 USB 27-9-2003 Sat 1730 (GG)
5435.0 E10 ART2 USB 27-9-2003 Sat 1800 (JAQ)
5435.0 E10 ART2 USB 27-9-2003 Sat 1900 (JAQ)
5435.0 E10 ART2 USB 28-9-2003 Sun 1800 (JAQ)
5435.0 E10 ART 133 SJBUU USB 28-9-2003 Sun 1830 (JAQ)
5435.0 E10 ART2 USB 28-9-2003 Sun 1900 (JAQ)
5435.0 E10 ART in tfc USB 30-9-2003 Tue 0200 (BS4)
5435.0 E10 ART2 USB 1-10-2003 Wed 1800 (JAQ)
5435.0 E10 ART 60 QWWJG USB 1-10-2003 Wed 1830 (JAQ)
5435.0 E10 ART2 USB 1-10-2003 Wed 1900 (JAQ)
5435.0 E10 ART2 USB 2-10-2003 Thu 2100 (JAQ)
5435.0 E10 ART 76 RXQFE USB 2-10-2003 Thu 2130 (JAQ)
5435.0 E10 ART1 USB 2-10-2003 Thu 2200 (JAQ)
5435.0 E10 ART 63 JGLYZ USB 2-10-2003 Thu 2230 (JAQ)
5435.0 E10 ART 18 HWSWO USB 2-10-2003 Thu 2300 (JAQ)
5435.0 E10 ART2 USB 3-10-2003 Fri 0005 (BS4)
5435.0 E10 ART2 USB 3-10-2003 Fri 1900 (JAQ)
5435.0 E10 ART 166 CHCXN USB 3-10-2003 Fri 1930 (JAQ)
5435.0 E10 ART 24 OYXGL USB 3-10-2003 Fri 2000 (JAQ)
5435.0 E10 ART 156 RZAQB USB 3-10-2003 Fri 2030 (JAQ)
5435.0 E10 ART2 USB 3-10-2003 Fri 2100 (JAQ)
5435.0 E10 ART 19 RBECO//3416 USB 4-10-2003 Sat 1830 (JAQ)
5435.0 E10 EZI repeats for several seconds, then stops; normally
ART freq USB 4-10-2003 Sat 1900 (JAQ)
5435.0 E10 ART2 USB 5-10-2003 Sun 0005 (BS4)
5435.0 E10 ART2 USB 5-10-2003 Sun 1800 (JAQ)
5435.0 E10 ART 19 RBECO USB 5-10-2003 Sun 1830 (JAQ)
5435.0 E10 ART2 USB 5-10-2003 Sun 1900 (JAQ)
5435.0 E10 ART2 USB 6-10-2003 Mon 2100 (GG)
5435.0 E10 ART2 USB 6-10-2003 Mon 2100 (JAQ)

5435.0 E10 ART 76 RXQFE USB 6-10-2003 Mon 2130 (JAQ)
5435.0 E10 ART 95 RYORM USB 6-10-2003 Mon 2200 (JAQ)
5435.0 E10 ART2 USB 6-10-2003 Mon 2230 (JAQ)
5435.0 E10 ART 18 HWSWO USB 6-10-2003 Mon 2300 (JAQ)
5435.0 E10 ART2 USB 7-10-2003 Tue 1900 (JAQ)
5435.0 E10 ART 79 ZKHGE USB 7-10-2003 Tue 1930 (JAQ)
5435.0 E10 ART 110 ?XE?B USB 7-10-2003 Tue 2000 (JAQ)
5435.0 E10 ART 156 RZ?Q? USB 7-10-2003 Tue 2030 (JAQ)
5435.0 E10 ART 116 NVTFS, 14 NCLG? USB 7-10-2003 Tue 2330 (BS4)
5435.0 E10 ART2 USB 8-10-2003 Wed 0005 (BS4)
5435.0 E10 ART2 USB 9-10-2003 Thu 1800 (JAQ)
5435.0 E10 ART 86 BXJBR, 30 WRDVL USB 9-10-2003 Thu 1830 (JAQ)
5435.0 E10 ART 79 ZKHGE USB 9-10-2003 Thu 1930 (JAQ)
5435.0 E10 ART 70 JVYFP USB 9-10-2003 Thu 2000 (JAQ)
5435.0 E10 ART2 USB 10-10-2003 Fri 0005 (BS4)
5435.0 E10 ART2 USB 11-10-2003 Sat 1800 (JAQ)
5435.0 E10 ART 86 BXJBR, 30 VR?VL USB 11-10-2003 Sat 1830 (JAQ)
5435.0 E10 ART USB 12-10-2003 Sun 0200 (BS4)
5435.0 E10 ART2 USB 13-10-2003 Mon 1800 (JAQ)
5435.0 E10 ART2 USB 13-10-2003 Mon 1830 (JAQ)
5435.0 E10 ART2 USB 13-10-2003 Mon 1900 (JAQ)
5435.0 E10 ART2 USB 14-10-2003 Tue 0130 (BS4)
5435.0 E10 ART2 USB 17-10-2003 Fri 0005 (BS4)
5435.0 E10 ART2 USB 17-10-2003 Fri 1800 (JAQ)
5435.0 E10 ART 12 QYPKQ USB 17-10-2003 Fri 1830 (JAQ)
5435.0 E10 ART2 USB 17-10-2003 Fri 1900 (JAQ)
5435.0 E10 ART2 USB 19-10-2003 Fri 1800 (JAQ)
5435.0 E10 ART 12 QYPKQ USB 19-10-2003 Fri 1830 (JAQ)
5435.0 E10 ART2 USB 19-10-2003 Sun 1900 (JAQ)
5435.0 E10 ART2 USB 20-10-2003 Mon 0005 (BS4)
5435.0 E10 ART2 USB 20-10-2003 Mon 1800 (JAQ)
5435.0 E10 ART 12 QYPKQ//3415 USB 20-10-2003 Mon 1830 (JAQ)
5435.0 E10 ART2 USB 20-10-2003 Mon 1900 (JAQ)
5435.0 E10 ART2//3415 USB 20-10-2003 Sun 1930 (JAQ)
5435.0 E10 ART USB 20-10-2003 Sun 2000 (JAQ)
5435.0 E10 ART2 AM 22-10-2003 Wed 0005 (BS4)
5435.0 E10 ART2 USB 5-11-2003 Wed 0130 (BS4)
5435.0 E10 ART 6? SBMEQ USB 7-11-2003 Fri 0200 (BS4)
5435.0 E10 ART USB 9-11-2003 Sun 0130 (BS4)
5435.0 E10 ART2 USB 13-11-2003 Thu 1900 (JAQ)
5435.0 E10 ART 76 KXWKR USB 13-11-2003 Thu 1930 (JAQ)
5435.0 E10 ART 102 XZLGW USB 13-11-2003 Thu 2000 (JAQ)
5435.0 XM XM, sounds as though it came on at 00:02z USB 5-9-2003
Fri 0002 (CA2)
5436.8 E10 ART 60 GJUHM USB 5-10-2003 Sun 0030 (GG)
5436.8 E10 ART 23 EGNFQ USB 17-10-2003 Fri 0030 (GG)
5436.8 E10 ART USB 24-10-2003 Fri 0030 (GG)
5437.0 E10 ART 55 RBXZC USB 1-9-2003 Mon 0030 (GG)

5437.0 E10 ART 52 EEUFV USB 2-9-2003 Tue 0030 (GG)
5437.0 E10 ART 52 EEUFV USB 4-9-2003 Thu 0030 (GG)
5437.0 E10 ART 52 EEUFV USB 5-9-2003 Fri 0030 (GG)
5437.0 E10 ART 52 EEUFV USB 6-9-2003 Sat 0030 (GG)
5437.0 E10 ART2 USB 7-9-2003 Sun 0030 (GG)
5437.0 E10 ART 65 ZWPHK USB 9-9-2003 Tue 0030 (GG)
5437.0 E10 ART 114 VNRNB USB 11-9-2003 Thu 0030 (GG)
5437.0 E10 ART 114 VNRNB USB 12-9-2003 Fri 0030 (GG)
5437.0 E10 ART 114 VNRNB USB 14-9-2003 Sun 0030 (GG)
5437.0 E10 ART 22 KWZLS USB 15-9-2003 Mon 0030 (GG)
5437.0 E10 ART 114 VNRNB USB 16-9-2003 Tue 0030 (GG)
5437.0 E10 ART 62 EENG USB 19-9-2003 Fri 0030 (GG)
5437.0 E10 ART 62 EENG USB 21-9-2003 Sun 0030 (GG)
5437.0 E10 ART 62 EENG USB 22-9-2003 Mon 0030 (GG)
5437.0 E10 ART2 USB 23-9-2003 Tue 0030 (GG)
5437.0 E10 ART2 USB 25-9-2003 Thu 0030 (GG)
5437.0 E10 ART2 USB 26-9-2003 Fri 0030 (GG)
5437.0 E10 ART 63 OQJPR USB 27-9-2003 Sat 0030 (GG)
5437.0 E10 ART 60 GJUHM USB 28-9-2003 Sun 0030 (GG)
5437.0 E10 ART 60 GJUHM USB 30-9-2003 Tue 2200 (GG)
5437.0 E10 ART 60 GJUHM USB 2-10-2003 Thu 0030 (GG)
5437.0 E10 ART 60 GJUHM USB 3-10-2003 Fri 0030 (GG)
5437.0 E10 ART 60 GJUHM USB 4-10-2003 Sat 0030 (GG)
5437.0 E10 ART2 USB 6-10-2003 Mon 0030 (GG)
5437.0 E10 ART 70 VFZOA USB 7-10-2003 Tue 0030 (GG)
5437.0 E10 ART 70 VFZOA USB 9-10-2003 Thu 0030 (GG)
5437.0 E10 ART 70 VFZOA USB 10-10-2003 Fri 0030 (GG)
5437.0 E10 ART 70 VFZOA USB 11-10-2003 Sat 0030 (GG)
5437.0 E10 ART2 USB 14-10-2003 Tue 0030 (GG)
5437.0 E10 ART 87 OIEVJ USB 16-10-2003 Thu 0030 (GG)
5437.0 E10 ART 7? ????? USB 18-10-2003 Sat 0030 (GG)
5437.0 E10 ART 73 QDLBY USB 19-10-2003 Sun 0030 (GG)
5437.0 E10 ART 73 QDLBY late start @ 0033z USB 20-10-2003 Mon
0030 (GG)
5437.0 E10 ART 53 ????? USB 21-10-2003 Tue 0030 (GG)
5437.0 E10 ART USB 23-10-2003 Thu 0030 (GG)
5437.0 E10 ART 49 WJWTL USB 25-10-2003 Sat 0030 (GG)
5448 M13A 751:0 CW 25-11-2003 Tue 2100 (HFD)
5465 M01 197 CW 16-11-2003 Sun 0700 (HFD)
5474 M01 463-419/31=94813 CW 2-9-2003 Tue 1800 (HFD)
5475 S10D 555:361-13/18= 23710 //6895 AM 4-9-2003 Thu 2130
5488 M13a 751 237 22 (not 847?) CW 25-11-2003 2100 (JP)
5522 M13 501 234? ?? CW 24-11-2003 2215 (JP)
5584.0 M13 411 (R5) BT //here fades out, uncopiable// CW
21-9-2003 Sun 0430 (MS)
5625 S06 624:0 AM 18-11-2003 Tue 1800 (HFD)
5667 M13 757 255 20 CW 19-11-2003 2245 (JP)
5680 S06 624:0 AM 9-9-2003 Tue 1800 (HFD)

5680 S06 624:0 AM 30-9-2003 Tue 1800 (HFD)
5719 M89 v onmt onmt onmt de b9vw b9vw CW 11-11-2003 0056 (IB)
5746.0 E03 08240 USB 18-9-2003 Thu 2100 (GG)
5762 S06 176 176 176 00000 AM 16-9-2003 Tue 1900 (AB)
5762.0 V02a in progress AM 5-9-2003 Fri 0200 (SK)
5762.0 V02a A _____ 28822 AM 22-11-2003 Sat 0405 (BM)
5810 M01 197 CW 22-11-2003 Sat 1500 (HFD)
5820.0 E10 YHF2 USB 22-9-2003 Mon 2202 (OV)
5820.0 E10 YHF2 USB 27-9-2003 Sat 2130 (GG)
5820.0 E10 YHF 71 SKBFF USB 4-10-2003 Sat 1800 (JAQ)
5820.0 E10 YHF USB 4-10-2003 Sat 1800 (GG)
5820.0 E10 YHF2//4560 USB 4-10-2003 Sat 1900 (JAQ)
5820.0 E10 YHF2 USB 4-10-2003 Sat 2200 (GG)
5820.0 E10 YHF 71 SKBFF USB 5-10-2003 Sun 1800 (JAQ)
5820.0 E10 YHF 22 VMTEA//4560 USB 5-10-2003 Sun 1900 (JAQ)
5820.0 E10 YHF ?? SKBFF USB 9-10-2003 Thu 1800 (JAQ)
5820.0 E10 YHF 24 JJ?TN USB 9-10-2003 Thu 1900 (JAQ)
5820.0 E10 YHF ?? SKBFF USB 11-10-2003 Sat 1800 (JAQ)
5820.0 E10 YHF 24 JJMTN USB 11-10-2003 Sat 1900 (JAQ)
5820.0 E10 YHF 71 SKBFF USB 13-10-2003 Mon 1800 (JAQ)
5820.0 E10 YHF 117 OULK?//4560 USB 13-10-2003 Mon 1900 (JAQ)
5820.0 E10 YHF 71 SKBFF USB 17-10-2003 Fri 1800 (JAQ)
5820.0 E10 YHF 66 MINUP//4560 USB 17-10-2003 Fri 1900 (JAQ)
5820.0 E10 YHF 71 SKBFF USB 19-10-2003 Fri 1800 (JAQ)
5820.0 E10 YHF 53 JWLPG//4560 USB 19-10-2003 Sun 1900 (JAQ)
5820.0 E10 YHF 71 SKBFF USB 20-10-2003 Mon 1800 (JAQ)
5820.0 E10 YHF 53 JWLPG USB 20-10-2003 Mon 1900 (JAQ)
5820.0 E10 PCD2 USB 20-10-2003 Sun 2000 (JAQ)
5820.0 E10 YHF 7 JRCNT//7918 USB 7-11-2003 Fri 0130 (BS4)
5820.0 E10 YHF2//7918 USB 7-11-2003 Fri 0230 (BS4)
5820.0 E10 YHF2 USB 13-11-2003 Thu 1900 (JAQ)
5820.0 E10 YHF 40 XWDXI USB 13-11-2003 Thu 1930 (JAQ)
5820.0 E10 YHF2 USB 13-11-2003 Thu 2000 (JAQ)
5872 XP msg AM 18-11-2003 Tue 2120 (HFD)
5879 E07 980:0 AM 5-11-2003 Wed 1820 (HFD)
5879 E07 980:1-8513/63= 24369 AM 30-11-2003 Sun 1820 (HFD)
5899 E07 981:0-9431/54= 86985 heavy AM 5-11-2003 Wed 2120 (HFD)
6250 XSL Japanese navy "slot machine" PSK 4-10-2003 1143 (BM)
6261 M01 463-819/38=54050 CW 13-9-2003 Sat 1500 (HFD)
6265 VVV VVV VVV CQ CQ CQ DE BCN BCN BCN ZNN ZNN ZNN (R5)
rapid dots (2 seconds) ZNN QRX SK // 6885 kHz CW
27-10-2003 1800 (IB)
6270.0 E10 ULX 85 NWCCR USB 1-9-2003 Wed 1830 (JAQ)
6270.0 E10 ULX 93 HCEGN USB 1-9-2003 Mon 2300 (GG)
6270.0 E10 ULX in tfc USB 1-9-2003 Mon 2300 (BS4)
6270.0 E10 ULX 85 NWCCR USB 2-9-2003 Tue 1830 (JAQ)
6270.0 E10 ULX USB 3-9-2003 Wed 1830 (JAQ)
6270.0 E10 ULX 93 HCEGN USB 3-9-2003 Wed 2300 (GG)

6270.0 E10 ULX 55 FFPQG//7760 USB 4-9-2003 Thu 0100 (BS4)
6270.0 E10 ULX 93 HCEGN USB 4-9-2003 Thu 2300 (GG)
6270.0 E10 ULX 85 NWCCR USB 6-9-2003 Sat 1830 (JAQ)
6270.0 E10 ULX 85 NWCCR USB 7-9-2003 Sun 1830 (JAQ)
6270.0 E10 ULX 82 ????? USB 9-9-2003 Tue 1830 (JAQ)
6270.0 E10 ULX 55 FFPQG//7760 USB 11-9-2003 Thu 0100 (BS4)
6270.0 E10 ULX 55 FFPQG//7760 USB 13-9-2003 Sat 0100 (BS4)
6270.0 E10 ULX 82 XHOGH USB 13-9-2003 Sat 1830 (JAQ)
6270.0 E10 ULX 82 YHOGH USB 14-9-2003 Sun 1830 (JAQ)
6270.0 E10 ULX2 USB 14-9-2003 Sun 1930 (JAQ)
6270.0 E10 ULX 82 YHOGH USB 15-9-2003 Mon 1830 (JAQ)
6270.0 E10 ULX 82 T?HQB USB 18-9-2003 Thu 1830 (JAQ)
6270.0 E10 ULX2 USB 18-9-2003 Thu 1930 (JAQ)
6270.0 E10 ULX 82 YHOGH USB 19-9-2003 Fri 1830 (JAQ)
6270.0 E10 ULX2 USB 19-9-2003 Fri 1930 (JAQ)
6270.0 E10 ULX in tfc//7760 USB 22-9-2003 Mon 0100 (BS4)
6270.0 E10 ULX 75 GAKIS USB 22-9-2003 Mon 1830 (JAQ)
6270.0 E10 ULX2 USB 22-9-2003 Mon 1930 (JAQ)
6270.0 E10 AM 22-9-2003 Mon 2100 (DFL)
6270.0 E10 ULX2 USB 22-9-2003 Mon 2200 (OV)
6270.0 E10 ULX 75 GAKIS USB 26-9-2003 Fri 1830 (JAQ)
6270.0 E10 ULX 75 GAKIS USB 27-9-2003 Sat 1830 (JAQ)
6270.0 E10 ULX 75 GAKIS USB 28-9-2003 Sun 1830 (JAQ)
6270.0 E10 ULX 55 FFPQG//7760 USB 1-10-2003 Wed 0100 (BS4)
6270.0 E10 ULX 81 SNJCY USB 1-10-2003 Wed 1830 (JAQ)
6270.0 E10 ULX2 USB 3-10-2003 Fri 1930 (JAQ)
6270.0 E10 ULX ?? GIPWH USB 3-10-2003 Fri 2030 (JAQ)
6270.0 E10 ULX 86 UIQXI USB 3-10-2003 Fri 2300 (GG)
6270.0 E10 ULX 81 SNJCY USB 4-10-2003 Sat 1830 (JAQ)
6270.0 E10 ULX 58 GIPWH USB 4-10-2003 Sat 2030 (GG)
6270.0 E10 ULX2 USB 4-10-2003 Sat 2200 (GG)
6270.0 E10 ULX 81 SNJCY USB 5-10-2003 Sun 1830 (JAQ)
6270.0 E10 ULX2 USB 7-10-2003 Tue 1930 (JAQ)
6270.0 E10 ULX 81 SNJCY USB 9-10-2003 Thu 1830 (JAQ)
6270.0 E10 ULX2 USB 9-10-2003 Thu 1930 (JAQ)
6270.0 E10 ULX 81 SNJCY USB 11-10-2003 Sat 1830 (JAQ)
6270.0 E10 ULX in tfc USB 12-10-2003 Sun 2300 (BS4)
6270.0 E10 ULX 78 DUSQV USB 13-10-2003 Mon 1830 (JAQ)
6270.0 E10 ULX 55 FFPQG//7760 USB 14-10-2003 Tue 0100 (BS4)
6270.0 E10 ULX 55 FFPQG USB 15-10-2003 Wed 0100 (BS4)
6270.0 E10 ULX 78 DUSQV USB 17-10-2003 Fri 1830 (JAQ)
6270.0 E10 ULX 78 DUSQV USB 19-10-2003 Fri 1830 (JAQ)
6270.0 E10 ULX2 USB 20-10-2003 Sun 1930 (JAQ)
6270.0 E10 ULX2//7760 USB 3-11-2003 Mon 0100 (BS4)
6270.0 E10 ULX USB 3-11-2003 Mon 2300 (BS4)
6270.0 E10 ULX2//7760 USB 7-11-2003 Fri 0100 (BS4)
6270.0 E10 ULX2 USB 13-11-2003 Thu 1930 (JAQ)
6270.0 E10 ULX 59 SSHDR//7760 USB 24-11-2003 Mon 0100 (BS4)

6283 M13 Stopped after 2 or 3 times "757" and returned at 2147
 UTC with 757 (rpt) 253 2t = 5FGs etc CW 5-9-2003 Fri
 6379.0 M22 4XZ CW 7-9-2003 Sun 0109 (BM)
 6417 XSL Japanese navy "slot machine" PSK 4-10-2003 1146 (BM)
 6445 XSL Japanese navy "slot machine" PSK 4-10-2003 1147 (BM)
 6445.0 XSL Japanese Naval PSK USB 7-9-2003 Sun 1416 (BM)
 6447.0 XSL XSL, fair/strong LSB 25-9-2003 Thu 1200 (CA2)
 6448.0 Unid (Chinese LSB 25-9-2003 Thu 1200 (CA2)
 6448.0 Unid (Chinese Lady) LSB 29-9-2003 Mon 1150 (CA2)
 6448.0 Unid (Chinese Lady) LSB 30-9-2003 Tue 1145 (CA2)
 6458 M89 v dklo dklo dklo de sdkl sdkl (rptd) CW 16-11-2003
 6497.9 E10 Very week with QRM from RTTY. In between eac groupe
 the YL Repeats Message twic USB 16-9-2003 Tue 2247
 6498.0 E10 PCD2 USB 5-9-2003 Fri 0330 (BS4)
 6498.0 E10 PCD USB 11-9-2003 Thu 2100 (BS4)
 6498.0 E10 PCD USB 13-9-2003 Sat 2230 (BS4)
 6498.0 E10 PCD USB 22-9-2003 Mon 0030 (BS4)
 6498.0 E10 PCD USB 27-9-2003 Sat 2130 (GG)
 6498.0 E10 PCD USB 3-10-2003 Fri 2230 (GG)
 6498.0 E10 PCD2 USB 10-10-2003 Fri 0330 (BS4)
 6498.0 E10 PCD2 USB 12-10-2003 Sun 0030 (BS4)
 6498.0 E10 PCD2 USB 13-10-2003 Mon 0330 (BS4)
 6498.0 E10 PCD1 USB 15-10-2003 Wed 0030 (BS4)
 6498.0 E10 PCD2 USB 16-10-2003 Thu 0230 (BS4)
 6498.0 E10 PCD 86 ?VXZD//4270 USB 22-10-2003 Wed 0030 (BS4)
 6498.0 E10 PCD2 USB 2-11-2003 Sun 0030 (BS4)
 6498.0 E10 PCD2 USB 7-11-2003 Fri 0330 (BS4)
 6508 M01 463-3#6/34=02909 CW 14-9-2003 Sun 0700 (HFD)
 6529 V21 Cuban Babbler USB 1-11-2003 0415 (CS)
 6768.0 V02a (in progress - missed callup - YL/SS) USB 1-9-2003 Mon
 0400 (MS)
 6768.0 V02a A 83093 42563 77492 AM 8-9-2003 Mon 0400 (BM)
 6768.0 V02a ID 83093 83563 77492 (YL/SS) USB 8-9-2003 Mon 0400
 6781 XP msg AM 7-11-2003 Fri 2120 (HFD)
 6781 XP msg AM 18-11-2003 Tue 2120 (HFD)
 6782.0 XP Russian Polytone - again with ID: 297, DK/GC:
 04153/00089 (same msg as before) AM 7-10-2003 Tue 2040
 6787 XP carrier no signal AM 6-11-2003 Thu 2100 (HFD)
 6787 XP msg AM 18-11-2003 Tue 2100 (HFD)
 6835 G06 308-427/108=52378 AM 1-9-2003 Mon 2000 (HFD)
 6840 E10 EZI 48gr MRWEF AM 4-9-2003 Thu 2130 (HFD)
 6840 E10 EZI AM 15-10-2003 2130 (RMA)
 6840 E10 EZI AM 17-10-2003 2230 (RMA)
 6840.0 E10 EZI 23 WCHBL//9130 USB 1-9-2003 Wed 1800 (JAQ)
 6840.0 E10 EZI 96 PCFYU//9130 USB 1-9-2003 Wed 1900 (JAQ)
 6840.0 E10 EZI 90 PVCFL USB 1-9-2003 Mon 2200 (GG)
 6840.0 E10 EZI 77 HJDRX//9130 USB 1-9-2003 Mon 2330 (BS4)
 6840.0 E10 EZI 38 LIHHF//9130 USB 2-9-2003 Tue 1800 (JAQ)

6840.0 E10 EZI 96 PCFYU, ?? ?????//9130 USB 2-9-2003 Tue 1900 (JAQ)
6840.0 E10 E10, into message, weak/fair mostly readable sigs USB 3-9-2003 Wed 0230 (CA2)
6840.0 E10 USB 3-9-2003 Wed 0230 (CA2)
6840.0 E10 EZI 38 LIHHF//9130 USB 3-9-2003 Wed 1800 (JAQ)
6840.0 E10 EZI 79 OJZSO, ?? ????? USB 3-9-2003 Wed 1830 (JAQ)
6840.0 E10 EZI 94 OENHD, 93 BJDAZ//9130 USB 3-9-2003 Wed 1900 (JAQ)
6840.0 E10 EZI 48 MRWEF USB 3-9-2003 Wed 2130 (GG)
6840.0 E10 EZI 48 MRWEF USB 3-9-2003 Wed 2130 (GG)
6840.0 E10 EZI 90 PVCFL USB 3-9-2003 Wed 2200 (GG)
6840.0 E10 EZI2//9130, 11565 USB 4-9-2003 Thu 0100 (BS4)
6840.0 E10 EZI 48 MRWEF//9130, 11565 USB 4-9-2003 Thu 0130 (BS4)
6840.0 E10 E10, calling EZI, then into 2 messages, 1st msg is 90 grps, 2nd is 39 grps, wea USB 4-9-2003 Thu 0230 (CA2)
6840.0 E10 EZI 90 PVCFL USB 4-9-2003 Thu 2200 (GG)
6840.0 E10 EZI 90 PVCFL//9130 USB 4-9-2003 Thu 2200 (JAQ)
6840.0 E10 EZI 77 HJDRX//9130 USB 4-9-2003 Thu 2330 (JAQ)
6840.0 E10 E10, fair/strong/readable sigs, 2 messages, 1st 90 grps, 2nd 39 grps. USB 5-9-2003 Fri 0230 (CA2)
6840.0 E10 EZI 48 MRWEF//9130 USB 5-9-2003 Fri 2130 (JAQ)
6840.0 E10 EZI 90 PVCFL//9130 USB 5-9-2003 Fri 2200 (JAQ)
6840.0 E10 EZI 90 SFXQT, 39 DZAOU//9130 USB 6-9-2003 Sat 0230 (BS4)
6840.0 E10 EZI2//9130 USB 6-9-2003 Sat 1800 (JAQ)
6840.0 E10 EZI 93 BLDQ?, ?? ?????//9130 USB 6-9-2003 Sat 1900
6840.0 E10 EZI 90 PVCFL USB 6-9-2003 Sat 2200 (GG)
6840.0 E10 EZI 27 WLKBL//9130, 11565 USB 7-9-2003 Sun 0130 (BS4)
6840.0 E10 EZI2//9130 USB 7-9-2003 Sun 1800 (JAQ)
6840.0 E10 EZI 93 BLDQD, ?? LWGOJ//9130 USB 7-9-2003 Sun 1900 (JAQ)
6840.0 E10 EZI 90 PVCFL USB 8-9-2003 Mon 2200 (GG)
6840.0 E10 EZI 64 BHOFO//9130 USB 9-9-2003 Tue 0230 (BS4)
6840.0 E10 EZI2//9130 USB 9-9-2003 Tue 1800 (JAQ)
6840.0 E10 EZI2//9130, 11565 USB 11-9-2003 Thu 0100 (BS4)
6840.0 E10 EZI 12 SZXSG USB 11-9-2003 Thu 0130 (BS4)
6840.0 E10 EZI 12 SZXSG//9130 USB 11-9-2003 Thu 2130 (BS4)
6840.0 E10 EZI 2 msgs: 59 FJYJR/52 ?XM?Z USB 11-9-2003 Thu 2200 (GG)
6840.0 E10 EZI 59 FJYJR, ?? ?????//9130 USB 11-9-2003 Thu 2200 (BS4)
6840.0 E10 EZI 92 DJMKV//9130 USB 11-9-2003 Thu 2330 (BS4)
6840.0 E10 EZI 12 SZXSG USB 12-9-2003 Fri 0130 (BS4)
6840.0 E10 EZI 59 FJYJR, 52 UXMPZ USB 12-9-2003 Fri 2200 (JAQ)
6840.0 E10 EZI 92 DJMKV//9130 USB 12-9-2003 Fri 2330 (JAQ)
6840.0 E10 EZI 92 DJMKV//9130 USB 12-9-2003 Fri 2330 (BS4)
6840.0 E10 EZI2//9130, 11565 USB 13-9-2003 Sat 0100 (BS4)

6840.0 E10 EZI 12 SZXSG//9130, 11565 USB 13-9-2003 Sat 0130 (BS4)
6840.0 E10 EZI2//9130 USB 13-9-2003 Sat 1800 (JAQ)
6840.0 E10 EZI 19 AYCHF//9130 USB 14-9-2003 Sun 1800 (JAQ)
6840.0 E10 EZI2//9130 USB 14-9-2003 Sun 1930 (JAQ)
6840.0 E10 EZI 2 msgs: 59 FJYJR/52 UX?PZ USB 14-9-2003 Sun 2200 (GG)
6840.0 E10 EZI (2 Messages / gr. 59 FJYJR TUFFX...) USB 14-9-2003 Sun 2200 (OV)
6840.0 E10 EZI 19 AYCHF//9130 USB 15-9-2003 Mon 1800 (JAQ)
6840.0 E10 EZI 76 LIHVL, 83 ?????//9130 USB 15-9-2003 Mon 1900 (JAQ)
6840.0 E10 EZI 2 msgs: 59 FJYJR/52 UXMPZ USB 15-9-2003 Mon 2200 (GG)
6840.0 E10 EZI2//9130 USB 18-9-2003 Thu 1800 (JAQ)
6840.0 E10 EZI 23 RHNON//9130 USB 18-9-2003 Thu 1900 (JAQ)
6840.0 E10 EZI 37 B?DBG//9130, 11565 USB 18-9-2003 Thu 1930 (JAQ)
6840.0 E10 EZI 52 UXMPZ USB 18-9-2003 Thu 2200 (GG)
6840.0 E10 EZI 19 AYCHF USB 19-9-2003 Fri 1800 (JAQ)
6840.0 E10 EZI 23 RHNON//9130 USB 19-9-2003 Fri 1900 (JAQ)
6840.0 E10 EZI 37 BNDBG//9130, 11565 USB 19-9-2003 Fri 1930 (JAQ)
6840.0 E10 USB 19-9-2003 Fri 2223 (OV)
6840.0 E10 EZI USB 20-9-2003 Sat 2130 (JAQ)
6840.0 E10 EZI 59 FJYJ?, 52 UXMPZ//9130 USB 20-9-2003 Sat 2200 (JAQ)
6840.0 E10 EZI 77 JNJWM, 34 IPPIJ USB 21-9-2003 Sun 2330 (JAQ)
6840.0 E10 EZI 37 BNDBG//9130 USB 22-9-2003 Mon 0100 (BS4)
6840.0 E10 EZI 12 FBNKZ//9130 USB 22-9-2003 Mon 0130 (BS4)
6840.0 E10 EZI2//9130 USB 22-9-2003 Mon 1800 (JAQ)
6840.0 E10 EZI 23 RHNON//9130 USB 22-9-2003 Mon 1900 (JAQ)
6840.0 E10 EZI 65 WXBEL USB 25-9-2003 Thu 2200 (GG)
6840.0 E10 EZI 55 DGTEB//9130 USB 26-9-2003 Fri 1800 (JAQ)
6840.0 E10 EZI 15 MURYO//9130 USB 26-9-2003 Fri 1900 (JAQ)
6840.0 E10 Signal Very Strong In Maine Tonight 20db over s9 USB 27-9-2003 Sat 0247 (SMA)
6840.0 E10 EZI 55 DGTEB//9130 USB 27-9-2003 Sat 1800 (JAQ)
6840.0 E10 EZI 2 msgs: 115 JMMIE/20 SHAMP USB 27-9-2003 Sat 2130 (GG)
6840.0 E10 EZI2//9130 USB 28-9-2003 Sun 1800 (JAQ)
6840.0 E10 EZI 2 msgs: 115 JMMIE/20 SHAMP USB 28-9-2003 Sun 2130 (GG)
6840.0 E10 EZI 65 WXBEL USB 29-9-2003 Mon 2200 (GG)
6840.0 E10 EZI 115 JMMIE, 20 SHAMP//9130, 11565 USB 30-9-2003 Tue 0130 (BS4)
6840.0 E10 EZI 37 BNDBG//9130 USB 1-10-2003 Wed 0100 (BS4)
6840.0 E10 EZI2//9130 USB 1-10-2003 Wed 1800 (JAQ)
6840.0 E10 EZI 15 MURYA//9130 USB 1-10-2003 Wed 1900 (JAQ)
6840.0 E10 EZI 69 ZHETU//9130 USB 1-10-2003 Wed 2200 (BS4)
6840.0 E10 EZI//9130 USB 2-10-2003 Thu 2100 (JAQ)

6840.0 E10 EZI 115 JMMIE, 20 SHAMP//9130, 11565 USB 2-10-2003 Thu
2130 (JAQ)
6840.0 E10 EZI 15 MURYA//9130 USB 3-10-2003 Fri 1900 (JAQ)
6840.0 E10 EZI2//9130, 11565 USB 3-10-2003 Fri 1930 (JAQ)
6840.0 E10 EZI 118 BRUVP//9130 USB 3-10-2003 Fri 2030 (JAQ)
6840.0 E10 EZI 19 DYOB D USB 3-10-2003 Fri 2130 (GG)
6840.0 E10 EZI 93 GKJLB//9130 USB 4-10-2003 Sat 1800 (JAQ)
6840.0 E10 YHF USB 4-10-2003 Sat 1800 (GG)
6840.0 E10 EZI 93 USB 4-10-2003 Sat 1800 (GG)
6840.0 E10 EZI 93 GKJLB USB 4-10-2003 Sat 1800 (GG)
6840.0 E10 EZI 68 EWZNB//9130 USB 4-10-2003 Sat 1900 (JAQ)
6840.0 E10 EZI 19 DYOB D USB 4-10-2003 Sat 2130 (GG)
6840.0 E10 EZI 93 GKJLB USB 5-10-2003 Sun 1800 (GG)
6840.0 E10 EZI 93 GKJLB//9130 USB 5-10-2003 Sun 1800 (JAQ)
6840.0 E10 EZI 65 EWZNG//9130 USB 5-10-2003 Sun 1900 (JAQ)
6840.0 E10 EZI 19 DYOB D USB 5-10-2003 Sun 2130 (GG)
6840.0 E10 EZI 19 DYOB D USB 6-10-2003 Mon 2130 (JAQ)
6840.0 E10 EZI 19 DYOB D USB 6-10-2003 Mon 2130 (GG)
6840.0 E10 EZI 69 ZHETU//9130 USB 6-10-2003 Mon 2200 (JAQ)
6840.0 E10 EZI 92 WPQTG//9130 USB 7-10-2003 Tue 0230 (BS4)
6840.0 E10 EZI 68 EWZNG//9130 USB 7-10-2003 Tue 1900 (JAQ)
6840.0 E10 EZI2 USB 7-10-2003 Tue 1930 (JAQ)
6840.0 E10 EZI 118 BRUVP//9130 USB 7-10-2003 Tue 2030 (JAQ)
6840.0 E10 EZI 46 PQRMJ//9130, 11565 USB 7-10-2003 Tue 2330 (BS4)
6840.0 E10 EZI 114 PICFA/30 SNPWN USB 8-10-2003 Wed 2130 (GG)
6840.0 E10 EZI2//9130 USB 9-10-2003 Thu 1800 (JAQ)
6840.0 E10 EZI 46 PQRMJ//9130, 11565 USB 9-10-2003 Thu 2330 (BS4)
6840.0 E10 EZI 114 PICFA/30 SNPWN USB 10-10-2003 Fri 2130 (GG)
6840.0 E10 EZI2//9130 USB 11-10-2003 Sat 1800 (JAQ)
6840.0 E10 EZI 68 EWZNG//9130 USB 11-10-2003 Sat 1900 (JAQ)
6840.0 E10 EZI 114 PICFA/30 SNPWN USB 11-10-2003 Sat 2130 (GG)
6840.0 E10 EZI2//9130 USB 13-10-2003 Mon 1800 (JAQ)
6840.0 E10 EZI//9130 USB 13-10-2003 Mon 1900 (JAQ)
6840.0 E10 EZI 65 TDEVQ//9130, 11565 USB 14-10-2003 Tue 0130
6840.0 E10 EZI2//9130 USB 15-10-2003 Wed 0100 (BS4)
6840.0 E10 EZI 54 HYSWH//9130 USB 17-10-2003 Fri 1800 (JAQ)
6840.0 E10 EZI 58 THNKF//9130 USB 17-10-2003 Fri 1900 (JAQ)
6840.0 E10 EZI 65 TDEVQ//9130 USB 17-10-2003 Fri 2130 (BS4)
6840.0 E10 EZI 53 HSFQW//9130 USB 17-10-2003 Fri 2200 (BS4)
6840.0 E10 EZI 53 HSFQW//9130 USB 17-10-2003 Fri 2330 (BS4)
6840.0 E10 EZI 18 ?????//9130 USB 19-10-2003 Fri 1800 (JAQ)
6840.0 E10 EZI 58 THNKF//9130 USB 19-10-2003 Sun 1900 (JAQ)
6840.0 E10 EZI 18 QAOBK//9130 USB 20-10-2003 Mon 1800 (JAQ)
6840.0 E10 EZI 96 ?BGP?, 56 NBIMD//9130 USB 20-10-2003 Mon 1830
(JAQ)
6840.0 E10 EZI 71 LPHNE//9130 USB 20-10-2003 Mon 1900 (JAQ)
6840.0 E10 EZI 53 ?????//9130 USB 20-10-2003 Sun 2000 (JAQ)
6840.0 E10 EZI 53 HSFQW USB 20-10-2003 Mon 2200 (GG)

6840.0 E10 EZI 53 HSFQW//9130 USB 20-10-2003 Mon 2200 (BS4)
6840.0 E10 EZI 96 NODXL USB 22-10-2003 Wed 0230 (BS4)
6840.0 E10 EZI USB 24-10-2003 Fri 2200 (GG)
6840.0 E10 EZI2//9130 USB 3-11-2003 Mon 0100 (BS4)
6840.0 E10 EZI 71 UUBAB//9130 USB 3-11-2003 Mon 0130 (BS4)
6840.0 E10 EZI 71 UUBAB USB 5-11-2003 Wed 0130 (BS4)
6840.0 E10 EZI 71 YQAZS//9130 USB 5-11-2003 Wed 0230 (BS4)
6840.0 E10 EZI2//9130 USB 7-11-2003 Fri 0100 (BS4)
6840.0 E10 EZI 108 MLRTB//9130 USB 7-11-2003 Fri 0130 (BS4)
6840.0 E10 EZI 71 YQAZS, ?? ?????//9130 USB 7-11-2003 Fri 0230
6840.0 E10 EZI in tfc USB 7-11-2003 Fri 0330 (BS4)
6840.0 E10 EZI 11 MOZFS//9130 USB 9-11-2003 Sun 0130 (BS4)
6840.0 E10 EZI 110 RFB??//9130 USB 10-11-2003 Mon 0130 (BS4)
6840.0 E10 EZI 18 NEKCU, ?? ?????, 38 OBEBW//9130 USB 13-11-2003
Thu 1900 (JAQ)
6840.0 E10 EZI2 USB 13-11-2003 Thu 1930 (JAQ)
6840.0 E10 EZI 63 IXNQP USB 23-11-2003 Sun 0230 (BS4)
6840.0 E10 EZI2//9130 USB 24-11-2003 Mon 0100 (BS4)
6840.0 E10 AM 28-11-2003 Fri 0019 (M0)
6850 X06 9-10-2003 Thu 2228 (HFD)
6855.0 M13a 139x3 0 0 0 (R5) BT 236 20 BT (Very strong signal!!)
CW 8-9-2003 Mon 0300 (MS)
6855.0 V02a (in progress, being blocked by M13a. YL/SS) USB
8-9-2003 Mon 0300 (MS)
6855.0 V02a in prog; M8a in bg AM 8-9-2003 Mon 0309 (BM)
6878 M42 Dep of State Comms Moscow. Msg on link 60179 MFSK32
11-11-2003 1921 (LDO)
6883 M13 254 CW 3-9-2003 Wed 2100 (HFD)
6883 M13 254 CW 4-9-2003 Thu 2100 (HFD)
6883 M13 254 CW 17-9-2003 Wed 2100 (HFD)
6883 M13 284 CW 19-9-2003 Fri 2000 (HFD)
6885 VVV VVV VVV CQ CQ CQ DE BCN BCN BCN ZNN ZNN ZNN (R5)
rapid dots (2 seconds) ZNN QRX SK // 6265 kHz CW
27-10-2003 1800 (IB)
6895 S10D 555:361-13/18= 23710 //5475 AM 4-9-2003 Thu 2130
6900.0 E03 Lincolnshire poacher in progress USB 8-11-2003 Sat 0020
(HST)
6912.0 E10 SYN2//8025 USB 3-9-2003 Wed 0345 (BS4)
6912.0 E10 Sierra, ????, November(?), ????, repeated until 1950
USB 3-9-2003 Wed 1945 (DC)
6912.0 E10 in prog; SYN2 USB 5-9-2003 Tue 0349 (BM)
6912.0 E10 SYN2 USB 5-9-2003 Tue 0445 (BM)
6912.0 E10 SYN2/8025 USB 6-9-2003 Sat 1745 (JS3)
6912.0 E10 SYN2; in prog USB 8-9-2003 Mon 0347 (BM)
6912.0 E10 SYN2/8025 USB 11-9-2003 Thu 1945 (JS3)
6912.0 E10 SYN2//8025 USB 11-9-2003 Thu 2245 (BS4)
6912.0 E10 VLB2//4015,5170 USB 4-10-2003 Sat 1845 (JAQ)
6921 M13 254 CW 2-10-2003 Thu 2100 (HFD)

6930.0	E10	MIW2 USB 1-9-2003 Wed 1815 (JAQ)
6930.0	E10	MIW2 USB 2-9-2003 Tue 1815 (JAQ)
6930.0	E10	MIW2 USB 3-9-2003 Wed 1815 (JAQ)
6930.0	E10	MIW2//4360 USB 4-9-2003 Thu 2315 (JAQ)
6930.0	E10	MIW2//4360, 7605 USB 5-9-2003 Fri 0315 (BS4)
6930.0	E10	MIW2//4360 USB 5-9-2003 Fri 2115 (JAQ)
6930.0	E10	MIW2 USB 6-9-2003 Sat 1815 (JAQ)
6930.0	E10	MIW2//4360 USB 7-9-2003 Sun 1915 (JAQ)
6930.0	E10	MIW2 USB 9-9-2003 Tue 1815 (JAQ)
6930.0	E10	MIW2 USB 10-9-2003 Wed 2315 (GG)
6930.0	E10	MIW2//4360 USB 12-9-2003 Fri 2215 (JAQ)
6930.0	E10	MIW2 USB 13-9-2003 Sat 1815 (JAQ)
6930.0	E10	MIW2//4360 USB 14-9-2003 Sun 1915 (JAQ)
6930.0	E10	MIW2 USB 15-9-2003 Mon 1815 (JAQ)
6930.0	E10	MIW2//4360 USB 18-9-2003 Thu 1915 (JAQ)
6930.0	E10	MIW2//4360 USB 19-9-2003 Fri 1915 (JAQ)
6930.0	E10	MIW2//4360 USB 20-9-2003 Sat 2215 (JAQ)
6930.0	E10	MIW2//4360 USB 21-9-2003 Sun 2315 (JAQ)
6930.0	E10	MIW2//4648 USB 22-9-2003 Mon 1915 (JAQ)
6930.0	E10	MIW2//4360, 7605 USB 26-9-2003 Fri 0215 (BS4)
6930.0	E10	MIW2 USB 26-9-2003 Fri 1815 (JAQ)
6930.0	E10	MIW2 USB 27-9-2003 Sat 1815 (JAQ)
6930.0	E10	MIW2 USB 28-9-2003 Sun 1815 (JAQ)
6930.0	E10	MIW2 USB 1-10-2003 Wed 1815 (JAQ)
6930.0	E10	MIW2//4360 USB 2-10-2003 Thu 2215 (JAQ)
6930.0	E10	MIW, large number of repeats//4360 USB 3-10-2003 Fri 1915 (JAQ)
6930.0	E10	MIW2 USB 4-10-2003 Sat 1815 (JAQ)
6930.0	E10	MIW2 USB 5-10-2003 Sun 1815 (JAQ)
6930.0	E10	MIW2//4360 USB 6-10-2003 Mon 2215 (JAQ)
6930.0	E10	MIW2//4360 USB 7-10-2003 Tue 2015 (JAQ)
6930.0	E10	MIW2//4360 USB 9-10-2003 Thu 1915 (JAQ)
6930.0	E10	MIW2 USB 11-10-2003 Sat 1815 (JAQ)
6930.0	E10	MIW2//7605 USB 15-10-2003 Wed 0115 (BS4)
6930.0	E10	MIW2 USB 19-10-2003 Fri 1815 (JAQ)
6930.0	E10	MIW2 USB 20-10-2003 Mon 1915 (JAQ)
6934	E07	913:0 AM 17-9-2003 Wed 0510 (HFD)
6945.0	S10d	in progress ("s17c with message") USB 2-9-2003 Tue 1747 (AF)
6959	E03	LP ip USB 15-10-2003 2135 (RMA)
6959	E03	LP id 12449 USB 16-10-2003 2200 (RMA)
6959.0	E03	08240 USB 18-9-2003 Thu 2100 (GG)
6959.0	E03	Continuous Number Reading in English - melody tune in between USB 27-10-2003 Mon 2030 (SH)
6960.0	E03	transmission in progress USB 22-9-2003 Mon 2223 (OV)
6964	E07	981:0-9431/54= 86985 AM 5-11-2003 Wed 2100 (HFD)
6968	E07	980:0 AM 5-11-2003 Wed 1800 (HFD)
6968	E07	980:0 AM 9-11-2003 Sun 1800 (HFD)

6968 E07 980:1-8513/63= 24369 AM 30-11-2003 Sun 1800 (HFD)
6985.5 E10 Need I say any more USB 16-9-2003 Tue 2300 (SMA)
6986.0 E10 ART 19 KETRO USB 1-9-2003 Mon 2300 (BS4)
6986.0 E10 ULX calling, quickly stops, normal RF for ART//5435
USB 13-9-2003 Sat 0030 (BS4)
6986.0 E10 ART 18 HWSWO AM 12-10-2003 Sun 2300 (BS4)
6986.0 E10 ART 41 IYANV USB 3-11-2003 Mon 2300 (BS4)
7038.7 MX Cluster beacon "D" CW 12-9-2003 0128 (SPM)
7038.7 MX Cluster beacon "D" CW 12-9-2003 0220 (SPM)
7038.9 MX Cluster beacon "S" CW 1-9-2003 0150 (SPM)
7038.9 MX Cluster beacon "S" CW 12-9-2003 0220 (SPM)
7038.9 MX Cluster Beacon S CW 12-9-2003 Fri 2350 (OV)
7039 MX Cluster beacon "C" CW 12-9-2003 0220 (SPM)
7426 M13 261 CW 8-9-2003 Mon 1900 (HFD)
7426 M13 261 CW 8-9-2003 Mon 2000 (HFD)
7445.0 E10 KPA2//5339 USB 4-10-2003 Sat 1815 (JAQ)
7445.0 E10 KPA2 USB 5-10-2003 Sun 1815 (JAQ)
7445.0 E10 KPA2 USB 9-10-2003 Thu 1915 (JAQ)
7445.0 E10 KPA2 USB 11-10-2003 Sat 1815 (JAQ)
7445.0 E10 KPA2 USB 19-10-2003 Fri 1815 (JAQ)
7445.0 E10 KPA2 USB 20-10-2003 Mon 1915 (JAQ)
7519.0 M08a ID 83731 38201 08851 CW 8-9-2003 Mon 2200 (MS)
7519.0 M08a ID 83733 38203 08853 CW 10-9-2003 Wed 2200 (MS)
7519.0 M08a ID 22512 41072 19272 CW 12-9-2003 Fri 2200 (MS)
7519.0 M08a ID 44282 48472 71382 CW 22-9-2003 Mon 2200 (MS)
7519.0 M08a ID 30331 12581 40881 CW 24-9-2003 Wed 2200 (MS)
7526.0 M08a ID 63193 55923 28993 CW 2-9-2003 Tue 2200 (MS)
7526.0 M08a ID 83732 38202 08852 CW 9-9-2003 Tue 2200 (MS)
7526.0 M08a ID 66081 62981 99511 CW 16-9-2003 Tue 2200 (MS)
7526.0 M08a ID 44283 48473 71383 CW 23-9-2003 Tue 2200 (MS)
7583.0 V02a ID 65621 ----- (in progress, YL/SS) USB 8-9-2003
Mon 1000 (MS)
7605.0 E10 MIW2//4360, 6930, USB 5-9-2003 Fri 0315 (BS4)
7605.0 E10 MIW2; in prog USB 8-9-2003 Mon 0317 (BM)
7605.0 E10 MIW2 USB 10-9-2003 Wed 2315 (GG)
7605.0 E10 MIW2//4360, 6930 USB 26-9-2003 Fri 0215 (BS4)
7605.0 E10 MIW2 for 5 Min AM 27-9-2003 Sat 0315 (SMA)
7605.0 E10 MIW2//6930 USB 15-10-2003 Wed 0115 (BS4)
7636 M13 417 CW 28-9-2003 Sun 1900 (HFD)
7668 M16 DGSE. 8BY 753/391/970/542 CW 30-10-2003 1651 (RGA)
7668.0 M16 VVVx3 de 8BYx3 933/816/033/433/063 CW 4-9-2003 Thu
0245 (MS)
7690.0 E10 VLB2//5170 USB 3-9-2003 Wed 0345 (BS4)
7690.0 E10 VLB2//5170 USB 11-9-2003 Thu 2245 (BS4)
7727 XP msg AM 18-11-2003 Tue 2100 (HFD)
7760.0 E10 ULX 55 FFPQG//6270 USB 4-9-2003 Thu 0100 (BS4)
7760.0 E10 ULX 55 FFPQG//6270 USB 11-9-2003 Thu 0100 (BS4)
7760.0 E10 ULX 55 FFPQG//6270 USB 13-9-2003 Sat 0100 (BS4)

7760.0 E10 ULX in tfc//6270 USB 22-9-2003 Mon 0100 (BS4)
7760.0 E10 ULX 55 FFPQG//6270 USB 1-10-2003 Wed 0100 (BS4)
7760.0 E10 ULX 55 FFPQG USB 12-10-2003 Sun 0100 (BS4)
7760.0 E10 ULX 55 FFPQG//6270 USB 14-10-2003 Tue 0100 (BS4)
7760.0 E10 ULX2//6270 USB 3-11-2003 Mon 0100 (BS4)
7760.0 E10 ULX2//6270 USB 7-11-2003 Fri 0100 (BS4)
7760.0 E10 ULX 59 SSHDR//6270 USB 24-11-2003 Mon 0100 (BS4)
7775 E07 ip AM 1-10-2003 Wed 2045 (HFD)
7811.0 E10 CI02//5230 USB 3-9-2003 Wed 0345 (BS4)
7811.0 E10 CI02 USB 6-9-2003 Sat 1745 (JS3)
7811.0 E10 CI02 USB 10-9-2003 Wed 2345 (GG)
7811.0 E10 CI02 USB 11-9-2003 Thu 1945 (JS3)
7811.0 E10 CI02//5230 USB 11-9-2003 Thu 2245 (BS4)
7811.0 E10 CI02//3640, 5230 USB 4-10-2003 Sat 1845 (JAQ)
7811.0 E10 CI02//5230 USB 5-10-2003 Sun 1845 (JAQ)
7811.0 E10 CI02 USB 9-10-2003 Thu 1845 (JAQ)
7811.0 E10 CI02//5230 USB 14-10-2003 Tue 0145 (BS4)
7811.0 E10 CI02//5230 USB 17-10-2003 Fri 1845 (JAQ)
7811.0 E10 CI02 USB 20-10-2003 Mon 1845 (JAQ)
7862.0 M08a ID 59482 ----- (in progress) CW 16-9-2003 Tue
7887 E07 340:1- 102/63= 51057 AM 11-9-2003 Thu 2050 (HFD)
7918.0 E10 YHF 66 HVNDN USB 1-9-2003 Mon 0200 (GG)
7918.0 E10 YHF 9 YVSRB USB 4-9-2003 Thu 0130 (BS4)
7918.0 E10 YHF ?4 YATLP (heavy fading) USB 4-9-2003 Thu 0200 (GG)
7918.0 E10 YHF 94 YATLP//9202 USB 4-9-2003 Thu 0200 (BS4)
7918.0 E10 YHF 94 YATLP USB 4-9-2003 Thu 0200 (GG)
7918.0 E10 YHF 94 YATLP USB 5-9-2003 Fri 0200 (GG)
7918.0 E10 YHF2 USB 6-9-2003 Sat 0230 (BS4)
7918.0 E10 YHF 9 YVSRB USB 7-9-2003 Sun 0130 (BS4)
7918.0 E10 YHF 2 msgs (?? WANWR (?) much QRM low signal) USB
9-9-2003 Tue 0200 (GG)
7918.0 E10 YHF2 USB 9-9-2003 Tue 0230 (BS4)
7918.0 E10 YHF 93 VANWR, 16 JBQAF//9202 USB 10-9-2003 Wed 0200
(BS4)
7918.0 E10 YHF 9/YVSRV USB 11-9-2003 Thu 0130 (BS4)
7918.0 E10 YHF USB 11-9-2003 Thu 0200 (GG)
7918.0 E10 YHF 73 KNU?C//9202 USB 11-9-2003 Thu 0200 (BS4)
7918.0 E10 YHF 9 YVSRB USB 12-9-2003 Fri 0130 (BS4)
7918.0 E10 YHF 73 ?N?MC USB 12-9-2003 Fri 0200 (GG)
7918.0 E10 YHF 9 YVSRB USB 13-9-2003 Sat 0130 (BS4)
7918.0 E10 YHF1//9202 USB 13-9-2003 Sat 0200 (BS4)
7918.0 E10 YHF2//9202 USB 15-9-2003 Mon 0200 (BS4)
7918.0 E10 YHF2 USB 15-9-2003 Mon 0200 (GG)
7918.0 E10 YHF 2 msgs: 9? ?B???/?? ????? USB 23-9-2003 Tue 0200
(GG)
7918.0 E10 YHF 2 msgs: 91 ZDS??/?? ????? USB 26-9-2003 Fri 0200
(GG)
7918.0 E10 YHF 71 SKBFF USB 27-9-2003 Sat 1800 (GG)

7918.0 E10 YHF USB 29-9-2003 Mon 0200 (GG)
7918.0 E10 YHF 15 KJUF1 USB 30-9-2003 Tue 0130 (BS4)
7918.0 E10 YHF 17 QEJZ? USB 30-9-2003 Tue 0200 (GG)
7918.0 E10 YHF 17 QXZJE USB 30-9-2003 Tue 0200 (BS4)
7918.0 E10 YHF USB 3-10-2003 Fri 0200 (GG)
7918.0 E10 YHF 16 HPEER USB 4-10-2003 Sat 0200 (GG)
7918.0 E10 YHF USB 4-10-2003 Sat 1800 (GG)
7918.0 E10 YHF 16 ?PEER USB 5-10-2003 Sun 0200 (GG)
7918.0 E10 YHF2 USB 6-10-2003 Mon 0200 (GG)
7918.0 E10 YHF 94 ?JA?? high fading USB 7-10-2003 Tue 0200 (GG)
7918.0 E10 YHF2 USB 7-10-2003 Tue 0230 (BS4)
7918.0 E10 YHF1 USB 9-10-2003 Thu 0200 (GG)
7918.0 E10 YHF 85 BDKPX USB 10-10-2003 Fri 0200 (GG)
7918.0 E10 YHF 2 msgs: 84 THAK? / ?? ????? USB 11-10-2003 Sat
0200 (GG)
7918.0 E10 YHF 2 msgs: 84 THAK? / ?? ????? USB 12-10-2003 Sun
0200 (GG)
7918.0 E10 YHF2 USB 14-10-2003 Tue 0130 (BS4)
7918.0 E10 YHF 77 W?BWH USB 14-10-2003 Tue 0200 (GG)
7918.0 E10 YHF2 USB 20-10-2003 Mon 0200 (GG)
7918.0 E10 YHF2 USB 22-10-2003 Wed 0230 (BS4)
7918.0 E10 YHF USB 24-10-2003 Fri 0200 (GG)
7918.0 E10 YHF USB 25-10-2003 Sat 0200 (GG)
7918.0 E10 YHF 7 JRCNT USB 3-11-2003 Mon 0130 (BS4)
7918.0 E10 YHF 56 KWDES USB 4-11-2003 Tue 0200 (BS4)
7918.0 E10 YHF 7 JRCNT USB 5-11-2003 Wed 0130 (BS4)
7918.0 E10 YHF 56 KWDES//9202 USB 5-11-2003 Wed 0200 (BS4)
7918.0 E10 YHF2 USB 5-11-2003 Wed 0230 (BS4)
7918.0 E10 YHF 7 JRCNT//5820 USB 7-11-2003 Fri 0130 (BS4)
7918.0 E10 YHF 56 KWDES//9202 USB 7-11-2003 Fri 0200 (BS4)
7918.0 E10 YHF2//5820 USB 7-11-2003 Fri 0230 (BS4)
7918.0 E10 YHF 7 JRCNT USB 9-11-2003 Sun 0130 (BS4)
7918.0 E10 YHF USB 10-11-2003 Mon 0130 (BS4)
7932.0 XP Russian Polytone - same msg as 20 minutes before AM
7-10-2003 Tue 2020 (JS3)
7966 M13 448 CW 12-9-2003 Fri 1700 (HFD)
7975.0 M08a ID 23282 11913 32583 CW 7-9-2003 Sun 0800 (MS)
8009.0 M08a ID 83731 38201 08851 (rpt of 2200z on 7519m) CW
8-9-2003 Mon 2300 (MS)
8009.0 M08a ID 83733 38203 08853 (rpt of 2200z on 7519m) CW
10-9-2003 Wed 2300 (MS)
8009.0 M08a ID 85251 12582 40882 CW 25-9-2003 Thu 2200 (MS)
8010.0 M08a ID 60433 ----- 50971 (in progress) CW 5-9-2003 Fri
8010.0 V02a late, no callups, distorted AM 5-9-2003 Tue 0605 (BM)
8025.0 E10 SYN2//6912 USB 3-9-2003 Wed 0345 (BS4)
8025.0 E10 SYN2/6912 AM 6-9-2003 Sat 1745 (JS3)
8025.0 E10 SYN2/6912 USB 11-9-2003 Thu 1945 (JS3)
8025.0 E10 SYN2//6912 USB 11-9-2003 Thu 2245 (BS4)

8025.0 E10 SYN2//4780 AM 14-10-2003 Tue 0145 (BS4)
8088 E11 183/00 AM 11-11-2003 Tue 1300 (HFD)
8096.0 M08a ID 30861 75082 52932 (rpt of 0400z on 9330m) CW
1-9-2003 Mon 0500 (MS)
8096.0 M08a ID 30862 50013 63762 (rpt of 0400z on 9330m) CW
8-9-2003 Mon 0500 (MS)
8096.0 M08a in prog CW 8-9-2003 Mon 0506 (BM)
8103 E07 913:0 AM 26-11-2003 Wed 0630 (HFD)
8103.0 M22 4XZ CW 7-9-2003 Sun 0108 (BM)
8104.0 M22 4xy (Message: ar ar nw rpt nr. 297 nr 297 m? v ?????
007122) CW 22-9-2003 Mon 2340 (OV)
8110 E05 133/215=77939 //10583 AM 3-10-2003 Fri 1200 (HFD)
8123.0 X06 Short transmission, after that the carrier went off,
nothing further heard AM 18-9-2003 Thu 0600 (JS3)
8127.0 E10 VLB2//5170 USB 14-10-2003 Tue 0145 (BS4)
8135.0 M08a ID 63193 55923 28993 (rpt of 2200z on 7526m) CW
2-9-2003 Tue 2300 (MS)
8135.0 M08a ID 83732 38202 08852 (rpt of 2200z on 7526m) CW
9-9-2003 Tue 2300 (MS)
8135.0 M08a ID 22512 41072 19272 (rpt of 2200z on 7519m) CW
12-9-2003 Fri 2300 (MS)
8135.0 M08a ID 66081 62981 99511 (rpt of 2200z on 7526m) CW
16-9-2003 Tue 2300 (MS)
8135.0 M08a ID 44283 48473 71383 (rpt of 2200z on 7526m) CW
23-9-2003 Tue 2300 (MS)
8135.0 M08a ID 85251 12582 40882 (rpt of 2200z on 8009m) CW
25-9-2003 Thu 2300 (MS)
8136.0 M08a ID 94641 30443 64013 CW 13-9-2003 Sat 1100 (MS)
8136.0 M08a ID 94643 55382 12551 CW 20-9-2003 Sat 1100 (MS)
8136.0 M08a (in progress, this is the regular freq but was a late
start) CW 21-9-2003 Sun 1024 (MS)
8136.0 M08a ID 50412 62831 82013 CW 28-9-2003 Sun 1000 (MS)
8173.0 M08a (not a regular freq, morse is garbled) CW 21-9-2003
Sun 1000 (MS)
8174 G06 308-427/108=52378 AM 1-9-2003 Mon 1900 (HFD)
8175 M10 ip ###-87/20=##### 648-90/4 CW 15-9-2003 Mon 1415
(HFD)
8186.0 M08a +S10 here in progress CW 30-10-2003 Thu 0007 (Vambo)
8190 S17C 28013 //5301 AM 6-9-2003 Sat 1250 (HFD)
8190 S17C 65032 //5301 AM 12-9-2003 Fri 1250 (HFD)
8190 S17C 71021 //5301 AM 14-9-2003 Sun 1250 (HFD)
8190 S17C 65032 //5301 AM 15-9-2003 Mon 1250 (HFD)
8190 S17C 65032 //5301 AM 16-9-2003 Tue 1250 (HFD)
8190 S17C 65031 //5301 AM 20-9-2003 Sat 1250 (HFD)
8190 S17C 76035 //5301 AM 23-9-2003 Tue 1250 (HFD)
8190 S17C 78034 //5301 AM 28-9-2003 Sun 1250 (HFD)
8190 S17C 87033 //5301 AM 30-9-2003 Tue 1250 (HFD)
8190 S17C 87047 //5301 AM 2-10-2003 Thu 1250 (HFD)

8190	S17C	USB 29-10-2003 1250 (AF)
8190.0	M10	555x3 264x3 21 331x3 41 (R5) (// freq on 5301m, same as one year ago) CW 2-9-2003 Tue 0450 (MS)
8190.0	M10	555x3 378x3 20 747x3 36 (R5) (// freq on 5301m) CW 8-9-2003 Mon 0450 (MS)
8271	M13	517 CW 17-11-2003 Mon 2000 (HFD)
8271	M13	517 CW 17-11-2003 Mon 2100 (HFD)
8271	M13	517 CW 18-11-2003 Tue 2100 (HFD)
8300	V13	New Star (long time ago) USB 14-10-2003 1500 (MF)
8375.0	V22	"Quangou shoutingdai" (3x), "Beijing hujiao"; ended with "Zaijian" USB 7-10-2003 Tue 1600 (NC)
8455	M13	261 CW 5-10-2003 Sun 1900 (HFD)
8464	E03	LP id 41307 USB 16-11-2003 2005 (PP1)
8494.7	MX	Cluster beacon "D" CW 1-9-2003 0122 (SPM)
8494.7	MX	Cluster beacon "D" CW 12-9-2003 0224 (SPM)
8494.7	MX	Cluster Beacon D CW 12-9-2003 Fri 2320 (OV)
8494.8	MX	Cluster beacon "P" CW 12-9-2003 0225 (SPM)
8495	MX	Cluster beacon "C" CW 1-9-2003 0122 (SPM)
8495	MX	Cluster beacon "C" CW 12-9-2003 0224 (SPM)
8495	MX	Cluster beacon "C" CW 26-10-2003 1945 (WP3)
8495.0	MX	Cluster Beacon C CW 12-9-2003 Fri 2314 (OV)
8513.5	XSL	Japanese Naval PSK USB 7-9-2003 Sun 0508 (BM)
8544	E11	182/00 AM 30-9-2003 Tue 0830 (HFD)
8547	M13	926:0 CW 9-9-2003 Tue 2000 (HFD)
8547	M13A	926:0 CW 8-9-2003 Mon 2000 (HFD)
8588.0	XSL	Japanese Naval PSK USB 5-9-2003 Tue 0518 (BM)
8588.0	XSL	Japanese Naval PSK USB 7-9-2003 Sun 0508 (BM)
8805	E10	EZI AM 17-10-2003 1535 (RMA)
8805	E10	EZI AM 18-10-2003 1540 (RMA)
8805.0	E10	PCD2 USB 27-9-2003 Sat 1730 (GG)
8834	M87	482 482 482 000 000 000 482 000 000 t t t CW 15-9-2003 0100 (IB)
9060.0	M08a	in progress. hum in carrier of course. S7 here CW 3-9-2003 Wed 0005 (Vambo)
9062.0	M08a	ID _____ IANRD WTTAN ; in prog CW 7-9-2003 Sun 0506 (BM)
9067.0	M12	(in progress - 5f tfc - ends "000 000" - for 1 minute after ending, sounded lik CW 2-9-2003 Tue 0402 (MS)
9067.0	M12	303x3 1 (R2) 2496 107 2496 107 CW 9-9-2003 Tue 0400
9067.0	M12	303x3 1 (R2) (too weak to catch the msg and preamble) CW 23-9-2003 Tue 0400 (MS)
9130.0	E10	EZI 23 WCHBL//6840 USB 1-9-2003 Wed 1800 (JAQ)
9130.0	E10	EZI 79 CJZSO//11565 USB 1-9-2003 Wed 1830 (JAQ)
9130.0	E10	EZI 96 PCYFU//6840 USB 1-9-2003 Wed 1900 (JAQ)
9130.0	E10	EZI in tfc USB 1-9-2003 Mon 2230 (BS4)
9130.0	E10	EZI 77 HJDRX//6840 USB 1-9-2003 Mon 2330 (BS4)
9130.0	E10	EZI 38 LIHHF//6840 USB 2-9-2003 Tue 1800 (JAQ)
9130.0	E10	EZI 2 msgs: 79 OJZSO, 39 BGWDJ/11565, 13533 USB

2-9-2003 Tue 1830 (JS3)
 9130.0 E10 EZI 79 OTZSO, 39 BGWDJ//11565 USB 2-9-2003 Tue 1830 (JAQ)
 9130.0 E10 EZI 96 PCFYU, ?? ?????//6840 USB 2-9-2003 Tue 1900 (JAQ)
 9130.0 E10 E10, into message, weak/fair mostly readable sigs USB 3-9-2003 Wed 0230 (CA2)
 9130.0 E10 EZI 38 LIHHF//6840 USB 3-9-2003 Wed 1800 (JAQ)
 9130.0 E10 EZI 94 OENHD, 93 BJDAZ//6840 USB 3-9-2003 Wed 1900 (JAQ)
 9130.0 E10 EZI 48 MRWEF USB 3-9-2003 Wed 2130 (GG)
 9130.0 E10 EZI2//6840, 11565 USB 4-9-2003 Thu 0100 (BS4)
 9130.0 E10 EZI 48 MRWEF//6840, 11565 USB 4-9-2003 Thu 0130 (BS4)
 9130.0 E10 EZI 90 PVCFL//6840 USB 4-9-2003 Thu 2200 (JAQ)
 9130.0 E10 EZI 18 MESOP USB 4-9-2003 Thu 2230 (JAQ)
 9130.0 E10 EZI 77 HJDRX//6840 USB 4-9-2003 Thu 2330 (JAQ)
 9130.0 E10 EZI 48 MRWEF//6840 USB 5-9-2003 Fri 2130 (JAQ)
 9130.0 E10 EZI 90 PVCFL//6840 USB 5-9-2003 Fri 2200 (JAQ)
 9130.0 E10 EZI USB 5-9-2003 Fri 2230 (JAQ)
 9130.0 E10 EZI 90 SFXQT, 39 DZAOU//6840 USB 6-9-2003 Sat 0230 (BS4)
 9130.0 E10 in progress USB 6-9-2003 Sat 0300 (SK)
 9130.0 E10 EZI 77 HJDRX//11565, 13533 USB 6-9-2003 Sat 1730 (JS3)
 9130.0 E10 EZI2//6840 USB 6-9-2003 Sat 1800 (JAQ)
 9130.0 E10 EZI USB 6-9-2003 Sat 1830 (JAQ)
 9130.0 E10 EZI 93 BLDQ?, ?? ?????//6840 USB 6-9-2003 Sat 1900
 9130.0 E10 EZI 27 WLKBL//6840, 11565 USB 7-9-2003 Sun 0130 (BS4)
 9130.0 E10 EZI2//6840 USB 7-9-2003 Sun 1800 (JAQ)
 9130.0 E10 EZI 97 LUFYR, 11UJYWI//11565 USB 7-9-2003 Sun 1830 (JAQ)
 9130.0 E10 EZI 93 BLDQD, ?? LWGOJ//6840 USB 7-9-2003 Sun 1900 (JAQ)
 9130.0 E10 EZI USB 7-9-2003 Sun 2000 (JAQ)
 9130.0 E10 EZI 64 BHOF0//6840 USB 9-9-2003 Tue 0230 (BS4)
 9130.0 E10 EZI2//6840 USB 9-9-2003 Tue 1800 (JAQ)
 9130.0 E10 EZI 97 LUFYR, 11 UJYWI//11565 USB 9-9-2003 Tue 1830 (JAQ)
 9130.0 E10 EZI2 USB 10-9-2003 Wed 0200 (BS4)
 9130.0 E10 EZI2//6840, 11565 USB 11-9-2003 Thu 0100 (BS4)
 9130.0 E10 EZI2//11565 USB 11-9-2003 Thu 0200 (BS4)
 9130.0 E10 EZI USB 11-9-2003 Thu 2030 (BS4)
 9130.0 E10 EZI 12 SZXSG//6840 USB 11-9-2003 Thu 2130 (BS4)
 9130.0 E10 EZI 59 FJYJR, ?? ?????//6840 USB 11-9-2003 Thu 2200 (BS4)
 9130.0 E10 EZI 18 MESOP USB 11-9-2003 Thu 2230 (BS4)
 9130.0 E10 EZI 92 DJMKV//6840 USB 11-9-2003 Thu 2330 (BS4)
 9130.0 E10 EZI 92 DJMKV//6840 USB 12-9-2003 Fri 2330 (JAQ)
 9130.0 E10 EZI 92 DJMKV//6840 USB 12-9-2003 Fri 2330 (BS4)

9130.0 E10 EZI2//6840, 11565 USB 13-9-2003 Sat 0100 (BS4)
 9130.0 E10 EZI 12 SZXSG//6840, 11565 USB 13-9-2003 Sat 0130 (BS4)
 9130.0 E10 EZI2//6840 USB 13-9-2003 Sat 1800 (JAQ)
 9130.0 E10 EZI2//11565 USB 13-9-2003 Sat 1830 (JAQ)
 9130.0 E10 EZI2 USB 13-9-2003 Sat 1900 (JAQ)
 9130.0 E10 EZI 59 FJYJR, ?? ????? USB 13-9-2003 Sat 2200 (BS4)
 9130.0 E10 EZI 18 MESOP USB 13-9-2003 Sat 2230 (BS4)
 9130.0 E10 EZI 13 RYJVB USB 14-9-2003 Sun 0300 (BS4)
 9130.0 E10 EZI 19 AYCHF//6840 USB 14-9-2003 Sun 1800 (JAQ)
 9130.0 E10 EZI2//11565 USB 14-9-2003 Sun 1830 (JAQ)
 9130.0 E10 EZI2 USB 14-9-2003 Sun 1900 (JAQ)
 9130.0 E10 EZI2 USB 14-9-2003 Sun 1930 (BS4)
 9130.0 E10 EZI2//6840 USB 14-9-2003 Sun 1930 (JAQ)
 9130.0 E10 EZI 59 FJYJR, ?? ????? USB 14-9-2003 Sun 2000 (BS4)
 9130.0 E10 EZI 59 FJYJR, 52 UXMPZ USB 14-9-2003 Sun 2000 (JAQ)
 9130.0 E10 EZI2//11565 USB 15-9-2003 Mon 0200 (BS4)
 9130.0 E10 EZI 19 AYCHF//6840 USB 15-9-2003 Mon 1800 (JAQ)
 9130.0 E10 EZI 56 M??YG USB 15-9-2003 Mon 1830 (JAQ)
 9130.0 E10 EZI 76 LIHVL, 83 ?????//6840 USB 15-9-2003 Mon 1900
 (JAQ)
 9130.0 E10 EZI2//6840 USB 18-9-2003 Thu 1800 (JAQ)
 9130.0 E10 EZI 52 MTUYG//11565 USB 18-9-2003 Thu 1830 (JAQ)
 9130.0 E10 EZI 23 RHNON//6840 USB 18-9-2003 Thu 1900 (JAQ)
 9130.0 E10 EZI 37 B?DBG//6840, 11565 USB 18-9-2003 Thu 1930 (JAQ)
 9130.0 E10 EZI 50 MTJYG//11565 USB 19-9-2003 Fri 1830 (JAQ)
 9130.0 E10 EZI 23 RHNON//6840 USB 19-9-2003 Fri 1900 (JAQ)
 9130.0 E10 EZI 37 BNDBG//6840, 11565 USB 19-9-2003 Fri 1930 (JAQ)
 9130.0 E10 EZI 59 FJYJ?, 52 UXMPZ USB 19-9-2003 Fri 2000 (JAQ)
 9130.0 E10 USB 19-9-2003 Fri 2225 (OV)
 9130.0 E10 EZI 59 FJYJ?, 52 UXMPZ//6840 USB 20-9-2003 Sat 2200
 (JAQ)
 9130.0 E10 EZI 52 UXMPZ USB 21-9-2003 Sun 2200 (JAQ)
 9130.0 E10 EZI 18 MESOP USB 21-9-2003 Sun 2230 (JAQ)
 9130.0 E10 EZI 37 BNDBG//6840 USB 22-9-2003 Mon 0100 (BS4)
 9130.0 E10 EZI 12 FBNKZ//6840 USB 22-9-2003 Mon 0130 (BS4)
 9130.0 E10 EZI2//6840 USB 22-9-2003 Mon 1800 (JAQ)
 9130.0 E10 EZI USB 22-9-2003 Mon 1830 (JAQ)
 9130.0 E10 EZI 23 RHNON//6840 USB 22-9-2003 Mon 1900 (JAQ)
 9130.0 E10 EZI 37 BNDBG USB 22-9-2003 Mon 1930 (JAQ)
 9130.0 E10 EZI 59 FJYJR, 53 UXMPZ USB 22-9-2003 Mon 2000 (JAQ)
 9130.0 E10 EZI 69 PGWKA USB 26-9-2003 Fri 0230 (BS4)
 9130.0 E10 EZI 55 DGTEB//6840 USB 26-9-2003 Fri 1800 (JAQ)
 9130.0 E10 EZI 15 MURYO//6840 USB 26-9-2003 Fri 1900 (JAQ)
 9130.0 E10 EZI 55 DGTEB//6840 USB 27-9-2003 Sat 1800 (JAQ)
 9130.0 E10 EZI USB 27-9-2003 Sat 1830 (JAQ)
 9130.0 E10 EZI2//6840 USB 28-9-2003 Sun 1800 (JAQ)
 9130.0 E10 EZI USB 28-9-2003 Sun 1830 (JAQ)
 9130.0 E10 EZI 23 RHNON USB 28-9-2003 Sun 1900 (JAQ)

9130.0 E10 EZI 115 JMMIE, 20 SHAMP//6840, 11565 USB 30-9-2003 Tue
 0130 (BS4)
 9130.0 E10 EZI2//11565 USB 30-9-2003 Tue 0200 (BS4)
 9130.0 E10 EZI 37 BNDBG//6840 USB 1-10-2003 Wed 0100 (BS4)
 9130.0 E10 EZI2//6840 USB 1-10-2003 Wed 1800 (JAQ)
 9130.0 E10 EZI USB 1-10-2003 Wed 1830 (JAQ)
 9130.0 E10 EZI 15 MURYA//6840 USB 1-10-2003 Wed 1900 (JAQ)
 9130.0 E10 EZI 69 ZHETU//6840 USB 1-10-2003 Wed 2200 (BS4)
 9130.0 E10 EZI//6840 USB 2-10-2003 Thu 2100 (JAQ)
 9130.0 E10 EZI 115 JMMIE, 20 SHAMP//6840, 11565 USB 2-10-2003 Thu
 2130 (JAQ)
 9130.0 E10 EZI 69 ZHETU USB 2-10-2003 Thu 2200 (JAQ)
 9130.0 E10 EZI 18 MESOP USB 2-10-2003 Thu 2230 (JAQ)
 9130.0 E10 EZI 15 MURYA//6840 USB 3-10-2003 Fri 1900 (JAQ)
 9130.0 E10 EZI2//6840, 11565 USB 3-10-2003 Fri 1930 (JAQ)
 9130.0 E10 EZI 69 ZHETU USB 3-10-2003 Fri 2000 (JAQ)
 9130.0 E10 EZI 118 BRUVP//6840 USB 3-10-2003 Fri 2030 (JAQ)
 9130.0 E10 EZI 18 MESOP USB 3-10-2003 Fri 2230 (BS4)
 9130.0 E10 EZI 93 GKJLB//6840 USB 4-10-2003 Sat 1800 (JAQ)
 9130.0 E10 EZI 94 ?????, 96 OPJFI//11565 USB 4-10-2003 Sat 1830
 (JAQ)
 9130.0 E10 EZI 68 EWZNB; long repeats, 3 clicks, then
 message//6840 USB 4-10-2003 Sat 1900 (JAQ)
 9130.0 E10 EZI 93 GKJLB//6840 USB 5-10-2003 Sun 1800 (JAQ)
 9130.0 E10 EZI 86 UWPSP, 22 CNSZX//11565 USB 5-10-2003 Sun 1830
 (JAQ)
 9130.0 E10 EZI 65 EWZNG//6840 USB 5-10-2003 Sun 1900 (JAQ)
 9130.0 E10 EZI 70 KYFVL USB 6-10-2003 Mon 0330 (BS4)
 9130.0 E10 EZI 69 ZHETU//6840 USB 6-10-2003 Mon 2200 (JAQ)
 9130.0 E10 EZI USB 6-10-2003 Mon 2230 (JAQ)
 9130.0 E10 EZI 18 MESOP USB 6-10-2003 Mon 2230 (BS4)
 9130.0 E10 EZI 92 WPQTG//6840 USB 7-10-2003 Tue 0230 (BS4)
 9130.0 E10 EZI 68 EWZNG//6840 USB 7-10-2003 Tue 1900 (JAQ)
 9130.0 E10 EZI 69 ZHETU USB 7-10-2003 Tue 2000 (JAQ)
 9130.0 E10 EZI 118 BRUVP//6840 USB 7-10-2003 Tue 2030 (JAQ)
 9130.0 E10 EZI 46 PQRMJ//6840, 11565 USB 7-10-2003 Tue 2330 (BS4)
 9130.0 E10 EZI 45 MSBEJ USB 9-10-2003 Thu 0300 (BS4)
 9130.0 E10 EZI2//6840 USB 9-10-2003 Thu 1800 (JAQ)
 9130.0 E10 EZI//11565 USB 9-10-2003 Thu 1830 (JAQ)
 9130.0 E10 EZI 68 EWZNG USB 9-10-2003 Thu 1900 (JAQ)
 9130.0 E10 EZI2//11565 USB 9-10-2003 Thu 1930 (JAQ)
 9130.0 E10 EZI 92 FHWMP USB 9-10-2003 Thu 2000 (JAQ)
 9130.0 E10 EZI 46 PQRMJ//6840, 11565 USB 9-10-2003 Thu 2330 (BS4)
 9130.0 E10 EZI 70 KYFVL USB 10-10-2003 Fri 0330 (BS4)
 9130.0 E10 EZI USB 10-10-2003 Fri 2030 (BS4)
 9130.0 E10 EZI2//6840 USB 11-10-2003 Sat 1800 (JAQ)
 9130.0 E10 EZI 86 UHPSP, ?? ????? USB 11-10-2003 Sat 1830 (JAQ)
 9130.0 E10 EZI 68 EWZNG//6840 USB 11-10-2003 Sat 1900 (JAQ)

9130.0 E10 EZI2//11565 USB 12-10-2003 Sun 0200 (BS4)
 9130.0 E10 EZI 70 KYFVL USB 12-10-2003 Sun 0330 (BS4)
 9130.0 E10 EZI 79 KYFVL USB 13-10-2003 Mon 0330 (BS4)
 9130.0 E10 EZI2//6840 USB 13-10-2003 Mon 1800 (JAQ)
 9130.0 E10 EZI//6840 USB 13-10-2003 Mon 1900 (JAQ)
 9130.0 E10 EZI 65 TDEVQ//6840, 11565 USB 14-10-2003 Tue 0130
 9130.0 E10 EZI2//6840 USB 15-10-2003 Wed 0100 (BS4)
 9130.0 E10 EZI 54 HYSWH//6840 USB 17-10-2003 Fri 1800 (JAQ)
 9130.0 E10 EZI 96 FLBGP USB 17-10-2003 Fri 1830 (JAQ)
 9130.0 E10 EZI 58 THNKF//6840 USB 17-10-2003 Fri 1900 (JAQ)
 9130.0 E10 EZI 65 TDEVQ//6840 USB 17-10-2003 Fri 2130 (BS4)
 9130.0 E10 EZI 53 HSFQW//6840 USB 17-10-2003 Fri 2200 (BS4)
 9130.0 E10 EZI 128 SHTLQ USB 17-10-2003 Fri 2230 (BS4)
 9130.0 E10 EZI 53 HSFQW//6840 USB 17-10-2003 Fri 2330 (BS4)
 9130.0 E10 EZI 18 ?????//6840 USB 19-10-2003 Fri 1800 (JAQ)
 9130.0 E10 EZI USB 19-10-2003 Fri 1830 (JAQ)
 9130.0 E10 EZI 58 THNKF//6840 USB 19-10-2003 Sun 1900 (JAQ)
 9130.0 E10 EZI 53 HSFQW//11565 USB 19-10-2003 Sun 2000 (BS4)
 9130.0 E10 EZI 71 DSHSE USB 19-10-2003 Sun 2030 (BS4)
 9130.0 E10 EZI 18 QA0BK//6840 USB 20-10-2003 Mon 1800 (JAQ)
 9130.0 E10 EZI 96 ?BGP?, 56 NBIMD//6840 USB 20-10-2003 Mon 1830
 (JAQ)
 9130.0 E10 EZI 72 LPHNE//6840 USB 20-10-2003 Mon 1900 (JAQ)
 9130.0 E10 EZI 72 LPHWE USB 20-10-2003 Sun 1930 (JAQ)
 9130.0 E10 EZI 53 ?????//6840 USB 20-10-2003 Sun 2000 (JAQ)
 9130.0 E10 EZI 53 HSFQW//6840 USB 20-10-2003 Mon 2200 (BS4)
 9130.0 E10 EZI2//6840 USB 3-11-2003 Mon 0100 (BS4)
 9130.0 E10 EZI 71 UUBAB//6840 USB 3-11-2003 Mon 0130 (BS4)
 9130.0 E10 EZI2 USB 5-11-2003 Wed 0200 (BS4)
 9130.0 E10 EZI 71 YQAZS//6840 USB 5-11-2003 Wed 0230 (BS4)
 9130.0 E10 EZI 179 HAQDA USB 5-11-2003 Wed 0300 (BS4)
 9130.0 E10 EZI2//6840 USB 7-11-2003 Fri 0100 (BS4)
 9130.0 E10 EZI 108 MLRBT//6840 USB 7-11-2003 Fri 0130 (BS4)
 9130.0 E10 EZI2 AM 7-11-2003 Fri 0200 (BS4)
 9130.0 E10 EZI 71 YQAZS, ?? ?????//6840 USB 7-11-2003 Fri 0230
 9130.0 E10 EZI 11 MOZFS//6840 USB 9-11-2003 Sun 0130 (BS4)
 9130.0 E10 EZI 110 RFB??//6840 USB 10-11-2003 Mon 0130 (BS4)
 9130.0 E10 EZI 18 NEKCU, ?? ?????, 38 OBEBW//6840 USB 13-11-2003
 Thu 1900 (JAQ)
 9130.0 E10 EZI2 USB 13-11-2003 Thu 1930 (JAQ)
 9130.0 E10 EZI 95 AKTOF, ?? ????? USB 13-11-2003 Thu 2000 (JAQ)
 9130.0 E10 EZI2//6840 USB 24-11-2003 Mon 0100 (BS4)
 9150 M08a DGI CW 4-10-2003 1238 (BM)
 9152.0 M08a ID 94641 30443 64013 (rpt of 1100z on 8136m) CW
 13-9-2003 Sat 1200 (MS)
 9152.0 M08a ID 94643 55382 12551 (rpt of 1100z on 8136m) CW
 20-9-2003 Sat 1200 (MS)
 9152.0 M08a ID 27262 80431 82062 CW 27-9-2003 Sat 1200 (MS)

9153.0 M08a ID 49343 71391 38521 CW 3-9-2003 Wed 1000 (MS)
 9153.0 M08a ID 63761 52603 50011 CW 5-9-2003 Fri 1000 (MS)
 9153.0 V02 AM 27-11-2003 Thu 0734 (SB)
 9154 M42 Russian intel. Null msg Baudot 200.32bd 2-10-2003
 1644 (LD0)
 9165 S17C 83035 AM 8-11-2003 Sat 1250 (HFD)
 9165 S17C USB 8-11-2003 1250 (AF)
 9165 S17C 81041 AM 16-11-2003 Sun 1250 (HFD)
 9165 S17C 94044 AM 26-11-2003 Wed 1250 (HFD)
 9165 S17C 90028 AM 30-11-2003 Tue 1250 (HFD)
 9177 M13 823 CW 3-9-2003 Wed 0600 (HFD)
 9202.0 E10 YHF 94 YATLP//7918 USB 4-9-2003 Thu 0200 (BS4)
 9202.0 E10 YHF 93 VANWR, 16 JBQAF//7918 USB 10-9-2003 Wed 0200
 (BS4)
 9202.0 E10 YHF 73 KNU?C//7918 USB 11-9-2003 Thu 0200 (BS4)
 9202.0 E10 YHF2//10648 USB 11-9-2003 Thu 2230 (BS4)
 9202.0 E10 YHF1//7918 USB 13-9-2003 Sat 0200 (BS4)
 9202.0 E10 YHF2//10648 USB 13-9-2003 Sat 2230 (BS4)
 9202.0 E10 YHF2//7918 USB 15-9-2003 Mon 0200 (BS4)
 9202.0 E10 YHF 84 THAZH, ?? ????? USB 12-10-2003 Sun 0200 (BS4)
 9202.0 E10 YHF2 USB 17-10-2003 Fri 2230 (BS4)
 9202.0 E10 YHF 56 KWDES//7918 USB 5-11-2003 Wed 0200 (BS4)
 9202.0 E10 YHF 56 KWDES//7918 USB 7-11-2003 Fri 0200 (BS4)
 9203 XP msg AM 9-10-2003 Thu 2000 (HFD)
 9203.0 XP Russian polytone - with msg, ID: 297, DK/GC:
 04153/00089 AM 7-10-2003 Tue 2000 (JS3)
 9238.0 M08a ID 46173 71921 62081 CW 3-9-2003 Wed 0900 (MS)
 9238.0 M08a ID 76002 97933 99311 CW 4-9-2003 Thu 1000 (MS)
 9238.0 M08a ID 92442 75451 12552 CW 21-9-2003 Sun 1100 (MS)
 9238.0 M08a ID 50412 62831 82013 (rpt of 1000z on 8136m) CW
 28-9-2003 Sun 1100 (MS)
 9251.0 E03 ID 85790 USB 14-9-2003 Sun 2100 (OV)
 9251.0 E03 08240 USB 18-9-2003 Thu 2100 (GG)
 9251.0 E03 USB 19-9-2003 Fri 2228 (OV)
 9262.0 M13 746 (R5) BT 233 21 BT CW 15-9-2003 Mon 2120 (MS)
 9323.0 M08a ID 23913 10351 71523 CW 4-9-2003 Thu 1000 (MS)
 9323.0 M08a ID 76003 19822 99312 CW 6-9-2003 Sat 1000 (MS)
 9323.0 M08a ID 23003 2.801 92172 (weak and garbled signal) CW
 13-9-2003 Sat 1000 (MS)
 9323.0 M08a ID 07053 26961 67713 CW 25-9-2003 Thu 1000 (MS)
 9323.0 V02 97433, 90031, 33073 M8 Under USB 16-10-2003 Thu 0400
 (AB3)
 9329.0 M08a DTGRN WTTAD RDIRN; in prog CW 8-9-2003 Mon 0402 (BM)
 9330.0 M08a ID 30861 75082 52932 CW 1-9-2003 Mon 0400 (MS)
 9330.0 M08a ID 72271 ----- (in progress) CW 3-9-2003 Wed
 9330.0 M08a In prog. CW 3-9-2003 Wed 0405 (BM)
 9330.0 M08a M8a, ID is 85202 93403 33353, coming in real
 strong/readable USB 3-9-2003 Wed 1200 (CA2)

9330.0 M08a ID 99901 31492 36422 CW 5-9-2003 Fri 1200 (MS)
 9330.0 M08a M8a, Strong/readable sigs, ID is 99901 31492 36422 USB
 5-9-2003 Fri 1230 (CA2)
 9330.0 M08a ID 30862 50013 63762 CW 8-9-2003 Mon 0400 (MS)
 9330.0 M08a ID 23283 25281 64441 CW 8-9-2003 Mon 0700 (MS)
 9330.0 M08a M8a, strong/readable sigs, ID is 70221 86542 01292 USB
 12-9-2003 Fri 1200 (CA2)
 9330.0 M08a M8a, strong/readable sigs, ID is 70222 86543 01293 USB
 13-9-2003 Sat 1200 (CA2)
 9330.0 M08a M8a, strong/readable USB 15-9-2003 Mon 1200 (CA2)
 9330.0 M08a M8a, late, USB 17-9-2003 Wed 1200 (CA2)
 9330.0 M08a M8a, strong/readable USB 19-9-2003 Fri 1200 (CA2)
 9330.0 M08a M8a, strong/readable USB 22-9-2003 Mon 1200 (CA2)
 9330.0 M08a M8a, strong/readable USB 24-9-2003 Wed 1200 (CA2)
 9330.0 M08a ID 56982 72283 15783 CW 1-10-2003 Wed 1200 (MS)
 9331.0 M08a ID 88013 93401 33351 CW 1-9-2003 Mon 1200 (MS)
 9331.0 M08a ID 85202 93403 33353 CW 3-9-2003 Wed 1200 (MS)
 9331.0 V02a ID 81261 04462 06031 (YL/SS) (rpt of 0500z on 10446m)
 USB 9-9-2003 Tue 0600 (MS)
 9332.0 M08a M8a, strong/readable sigs, ID is 27442 80493 81103
 USB 10-9-2003 Wed 1200 (CA2)
 9332.0 M08a M8a, strong/readable USB 26-9-2003 Fri 1200 (CA2)
 9365 XP msg AM 4-9-2003 Thu 2040 (HFD)
 9365 XP msg AM 9-9-2003 Tue 2040 (HFD)
 9442 E07 340:1- 102/63= 51057 AM 11-9-2003 Thu 2030 (HFD)
 9838 M87 249 249 249 000 000 000 249 249 249 000 000 t t t CW
 23-9-2003 0130 (IB)
 9975 M13 517 CW 1-9-2003 Mon 1900 (HFD)
 9975 M13 517 CW 1-9-2003 Mon 2000 (HFD)
 9975 M13 456 CW 2-9-2003 Tue 2000 (HFD)
 9992 M42 Dep. of State Comms Moscow. Msg on link 60179 MFSK32
 2-10-2003 1317 (LDO)
 10046 M22 4XZ. Israeli navy CW 11-10-2003 1357 (ML4)
 10046 M22 4XZ. Israeli navy CW 12-10-2003 1620 (JAK)
 10046.0 M22 4XZ CW 7-9-2003 Sun 0108 (BM)
 10046.0 M22 4XZ CW 7-9-2003 Sun 1413 (BM)
 10125.0 M08a ID 43461 83903 62071 CW 2-9-2003 Tue 0300 (MS)
 10125.0 M08a (in progress - missed callup) CW 6-9-2003 Sat 0300
 10125.0 M08a M8a, strong/readable sigs, signal keeps changing freqs
 USB 9-9-2003 Tue 0300 (CA2)
 10126.0 M08a ID ----- 75083 52602 (in progress) CW 1-9-2003 Mon
 1100 (MS)
 10126.0 M08a ID 23912 71522 91422 CW 3-9-2003 Wed 1100 (MS)
 10126.0 M08a ID 63761 52603 50011 (rpt of 1000z on 9153m) CW
 5-9-2003 Fri 1100 (MS)
 10143 XPH 0-msg //13368 11633 AM 30-9-2003 Tue 1830 (HFD)
 10214.0 XP Russian Polytone - with 0-msg AM 7-10-2003 Tue 2020
 10233.0 M08a in prog; distorted; V2a mixing in bg CW 5-9-2003 Tue

0406 (BM)

10233.0	M08a	In prog. CW 7-9-2003 Sun 0403 (BM)
10234.0	M08a	ID 52933 40752 75083 CW 2-9-2003 Tue 0400 (MS)
10248	M16	DFSE. 8BY. vvv 8by 762/709/467/533/015/523 CW 23-10-2003 1340 (DW)
10248	M16	DGSE. 8BY. vvv vvv vvv 8by 8by 8by 371 /538/455/459/208 ar CW 10-11-2003 1559 (WP3)
10290	E07	462:2-4386/25= 64465 AM 8-9-2003 Mon 2040 (HFD)
10293	E07	462:1- 752/38= 66387 AM 1-9-2003 Mon 2040 (HFD)
10344.0	M08a	USB 4-9-2003 Thu 0300 (AB3)
10345.0	M08a	ID 26891 72721 63042 CW 4-9-2003 Thu 0300 (MS)
10346.0	M08a	ID 23913 10351 71523 (rpt of 1000z on 9323m) CW 4-9-2003 Thu 1100 (MS)
10346.0	M08a	ID 07053 26961 67713 (rpt of 1000z on 9323m) CW 25-9-2003 Thu 1100 (MS)
10367.0	M12	303x3 1 (R2) (too weak to catch the msg and preamble) CW 23-9-2003 Tue 0420 (MS)
10422	M42	Dep. of State Comms Moscow. Msg on link 90006 MKSF32 3-10-2003 1630 (LD0)
10426.0	E03	E3, weak/fair, USB 29-9-2003 Mon 2200 (CA2)
10426.0	E03	Licolsnshire poacher in progress USB 8-11-2003 Sat 0020 (HST)
10444.0	M08a	M8a, fair/mostly unreadable sigs, sigs to weak for decoder. USB 11-9-2003 Thu 0300 (CA2)
10445.0	M08a	(in progress - missed callup) CW 4-9-2003 Thu 0300
10445.0	M08a	M8a, fair/weak USB 18-9-2003 Thu 0300 (CA2)
10446.0	M08a	in prog; V2a in bg CW 8-9-2003 Mon 0310 (BM)
10446.0	M08a	bad buzzy xmitter; QRM from SS chat CW 25-9-2003 Thu 0300 (BM)
10446.0	V02a	ID 77723 94021 85723 (YL/SS) USB 1-9-2003 Mon 0500
10446.0	V02a	In prog. AM 3-9-2003 Wed 0340 (BM)
10446.0	V02a	ID 18681 14203 35663 (YL/SS) (rpt of 0200z on 12165m) USB 8-9-2003 Mon 0300 (MS)
10446.0	V02a	ID 81261 04462 06031 (YL/SS) USB 8-9-2003 Mon 0500
10446.0	V02a	A _____ 04462 06031; in prog; fast uno AM 8-9-2003 Mon 0507 (BM)
10566.0	M08a	ID 88013 93401 33351 (rpt of 1200z on 9331m) CW 1-9-2003 Mon 1300 (MS)
10566.0	M08a	ID 85202 93403 33353 (rpt of 1200z on 9331m) CW 3-9-2003 Wed 1300 (MS)
10566.0	M08a	ID 99901 31492 36422 (rpt of 1200z on 9330m) CW 5-9-2003 Fri 1300 (MS)
10583	E05	133/215=77939 //8110 AM 3-10-2003 Fri 1200 (HFD)
10648.0	E10	YHF with message. USB 5-9-2003 Tue 0430 (BM)
10648.0	E10	YHF USB 5-9-2003 Tue 0500 (BM)
10648.0	E10	YHF2 USB 11-9-2003 Thu 2030 (BS4)
10648.0	E10	YHF2//9202 USB 11-9-2003 Thu 2230 (BS4)
10648.0	E10	YHF2//9202 USB 13-9-2003 Sat 2230 (BS4)

10648.0 E10 YHF2 USB 3-10-2003 Fri 2230 (BS4)
10716 XP msg AM 9-9-2003 Tue 2020 (HFD)
10856.0 M08a M8a, into message, strong/readable sigs, ID is ?????
93402 USB 2-9-2003 Tue 1200 (CA2)
10856.0 M08a M8a, into message, strong/readable sigs, ID is ?????
93402 USB 2-9-2003 Tue 1200 (CA2)
10856.6 M08a M8a, very USB 16-9-2003 Tue 1200 (CA2)
10857.0 M08a M8a, 8 minutes late today, coming in nice and strong,
S8, ID is ????? 31491 36 USB 4-9-2003 Thu 1200 (CA2)
10857.0 M08a M8a, USB 18-9-2003 Thu 1200 (CA2)
10857.0 M08a M8a, doesn't sound USB 25-9-2003 Thu 1200 (CA2)
10857.0 M08a M8a, USB 30-9-2003 Tue 1200 (CA2)
10858.0 M08a ID 85201 93402 33352 CW 2-9-2003 Tue 1200 (MS)
10858.0 M08a ID 99902 31493 36423 CW 6-9-2003 Sat 1200 (MS)
10858.0 M08a M8a, strong/readable sigs, into message, ID is ?????
80492 ????? maybe? USB 9-9-2003 Tue 1200 (CA2)
10858.0 M08a M8a, fair/mostly readable sigs, sigs to weak for
decoder. USB 11-9-2003 Thu 1200 (CA2)
10858.0 M08a ID 70222 86543 01293 CW 13-9-2003 Sat 1200 (MS)
10858.0 M08a USB 23-9-2003 Tue 1200 (CA2)
10858.0 M08a ID 30913 91921 45581 CW 25-9-2003 Thu 1200 (MS)
10871.7 MX Cluster beacon "D" CW 1-9-2003 0124 (SPM)
10871.7 MX Odessa "D" CW 8-9-2003 Mon 0326 (BM)
10871.7 MX Cluster Beacon D CW 12-9-2003 Fri 1047 (OV)
10871.9 MX Cluster beacon "S" CW 1-9-2003 0123 (SPM)
10871.9 MX very faint; unable to ID CW 5-9-2003 Tue 0322 (BM)
10871.9 MX Arkhangelsk "S" CW 7-9-2003 Sun 0122 (BM)
10871.9 MX Arkhangelsk "S" CW 8-9-2003 Mon 0323 (BM)
10871.9 MX Cluster beacon "S" CW 12-9-2003 0230 (SPM)
10876 XP msg AM 5-9-2003 Fri 2040 (HFD)
10935 E07 340:1- 102/63= 51057 AM 11-9-2003 Thu 2010 (HFD)
11116 E11 232/00 AM 26-9-2003 Fri 0800 (HFD)
11140 S06 ID 493 (279 groups) AM 25-11-2003 1500 (RiN)
11204 XP msg AM 26-9-2003 Fri 0600 (HFD)
11204 XP msg AM 30-9-2003 Tue 0600 (HFD)
11204 XP msg AM 10-10-2003 Fri 0600 (HFD)
11215 M13 253 CW 4-9-2003 Thu 2000 (HFD)
11215.0 M13 253 (R5) (signal too weak to copy any further) CW
4-9-2003 Thu 2000 (MS)
11216 M13 253 = 231 22 = 53t47 etc CW 5-9-2003 Fri 2000 (AB)
11249 M87 945 945 945 333 333 = = 66 66 50 50 = = 4tda6 d4u5a
7nd3t etc CW 14-11-2003 0630 (IB)
11416 S10D 555: 667-65/20=90987 AM 13-9-2003 Sat 0600 (HFD)
11430.0 M08a ID 52933 40752 75083 (rpt of 0400z on 10234m) CW
2-9-2003 Tue 0500 (MS)
11432.0 M08a (in progress - missed callup) CW 4-9-2003 Thu 0800
11478 M42 Russian intel. 17FGs to unid recipient Baudot 200.32bd
9-11-2003 1421 (LDO)

11517 M13 714 CW 12-9-2003 Fri 2000 (HFD)
11517.0 M13 714 (R5) BT 228 22 BT CW 12-9-2003 Fri 2000 (MS)
11523.0 M13 253 (R5) BT 232 21 BT CW 3-10-2003 Fri 2000 (MS)
11545.0 E03 In progress USB 7-9-2003 Sun 1412 (BM)
11545.0 E03 ID 08240 USB 28-9-2003 Sun 1604 (OV)
11565.0 E10 EZI 79 CJZSO//9130 USB 1-9-2003 Wed 1830 (JAQ)
11565.0 E10 E10, into message, fair signal/mostly readable USB
2-9-2003 Tue 0300 (CA2)
11565.0 E10 E10, into message, fair signal/mostly readable USB
2-9-2003 Tue 0300 (CA2)
11565.0 E10 EZI 2 msgs: 79 OJZSO, 39 BGWDJ/9130, 13533 USB
2-9-2003 Tue 1830 (JS3)
11565.0 E10 EZI 79 OTZSO, 39 BGWDJ//9130 USB 2-9-2003 Tue 1830
(JAQ)
11565.0 E10 USB 3-9-2003 Wed 0230 (CA2)
11565.0 E10 E10, calling EZI, message is 56 grps USB 3-9-2003 Wed
0230 (CA2)
11565.0 E10 E10, calling EZI, fair/strong readable sigs, 2
messages, 1st is 90 grps, 2nd is USB 3-9-2003 Wed 0230
11565.0 E10 EZI2//6840, 9130 USB 4-9-2003 Thu 0100 (BS4)
11565.0 E10 EZI 48 MRWEF//6840, 9130 USB 4-9-2003 Thu 0130 (BS4)
11565.0 E10 E10, fair/strong readable sigs, calling EZI then into
2 messages, 1st msg is 90 USB 4-9-2003 Thu 0230 (CA2)
11565.0 E10 E10, into message, fair/strong readable sigs USB
4-9-2003 Thu 0300 (CA2)
11565.0 E10 E10, fair/strong/readable sigs, into message USB
5-9-2003 Fri 0230 (CA2)
11565.0 E10 In prog; very faint USB 5-9-2003 Tue 0306 (BM)
11565.0 E10 EZI 77 HJDRX/9130, 13533 USB 6-9-2003 Sat 1730 (JS3)
11565.0 E10 EZI 27 WLKBL//6840, 9130 USB 7-9-2003 Sun 0130 (BS4)
11565.0 E10 EZI2 USB 7-9-2003 Sun 0400 (BM)
11565.0 E10 EZI 97 LUFYR, 11UJYWI//9130 USB 7-9-2003 Sun 1830
(JAQ)
11565.0 E10 EZI2 USB 7-9-2003 Sun 1930 (JAQ)
11565.0 E10 EZI 97 LUFYR, 11 UJYWI//9130 USB 9-9-2003 Tue 1830
(JAQ)
11565.0 E10 E10, fair/readable sigs, repeating EZI2, null message
USB 10-9-2003 Wed 0100 (CA2)
11565.0 E10 EZI2//6840, 9130 USB 11-9-2003 Thu 0100 (BS4)
11565.0 E10 EZI2//9130 USB 11-9-2003 Thu 0200 (BS4)
11565.0 E10 E10, fair/weak/readable sigs, calling EZI USB
12-9-2003 Fri 0300 (CA2)
11565.0 E10 EZI2//6840, 9130 USB 13-9-2003 Sat 0100 (BS4)
11565.0 E10 EZI 12 SZXSG//6840, 9130 USB 13-9-2003 Sat 0130 (BS4)
11565.0 E10 EZI2//9130 USB 13-9-2003 Sat 1830 (JAQ)
11565.0 E10 EZI2//9130 USB 14-9-2003 Sun 1830 (JAQ)
11565.0 E10 EZI2//9130 USB 15-9-2003 Mon 0200 (BS4)
11565.0 E10 EZI 52 MTUYG//9130 USB 18-9-2003 Thu 1830 (JAQ)

11565.0 E10 EZI 37 B?DBG//6840, 9130 USB 18-9-2003 Thu 1930 (JAQ)
11565.0 E10 EZI 50 MTJYG//9130 USB 19-9-2003 Fri 1830 (JAQ)
11565.0 E10 EZI 37 BNDBG//6840, 9130 USB 19-9-2003 Fri 1930 (JAQ)
11565.0 E10 EZI 12 XJPVR USB 25-9-2003 Thu 0300 (BS4)
11565.0 E10 EZI 115 JMMIE, 20 SHAMP//6840, 9130 USB 30-9-2003 Tue 0130 (BS4)
11565.0 E10 EZI2//9130 USB 30-9-2003 Tue 0200 (BS4)
11565.0 E10 EZI 115 JMMIE, 20 SHAMP//6840, 9130 USB 2-10-2003 Thu 2130 (JAQ)
11565.0 E10 EZI2//6840, 9130 USB 3-10-2003 Fri 1930 (JAQ)
11565.0 E10 EZI 94 ?????, 96 OPJFI//9130 USB 4-10-2003 Sat 1830
11565.0 E10 EZI 86 UWPSP, 22 CNSZX//9130 USB 5-10-2003 Sun 1830 (JAQ)
11565.0 E10 EZI 46 PQRMJ//6840, 9130 USB 7-10-2003 Tue 2330 (BS4)
11565.0 E10 EZI//9130 USB 9-10-2003 Thu 1830 (JAQ)
11565.0 E10 EZI2//9130 USB 9-10-2003 Thu 1930 (JAQ)
11565.0 E10 EZI 46 PQRMJ//6840, 9130 USB 9-10-2003 Thu 2330 (BS4)
11565.0 E10 EZI2//9130 USB 12-10-2003 Sun 0200 (BS4)
11565.0 E10 EZI 86 UHPSP, ?? ????? USB 13-10-2003 Mon 1830 (JAQ)
11565.0 E10 EZI 65 TDEVQ//6840. 9130 USB 14-10-2003 Tue 0130 (BS4)
11565.0 E10 EZI 53 HSFQW//9130 USB 19-10-2003 Sun 2000 (BS4)
11566.0 V02a AM 7-9-2003 Sun 1330 (MT2)
11566.0 V02a V2a, weak/mostly unreadable sigs USB 12-9-2003 Fri 0300 (CA2)
11625 E07 462:2-4286/25= 64465 AM 8-9-2003 Mon 2020 (HFD)
11633 XPH 0-msg //13368 10143 AM 30-9-2003 Tue 1830 (HFD)
11633 XPH 0-msg AM 30-9-2003 Tue 1850 (HFD)
11634 XPH 0-msg AM 9-9-2003 Tue 1850 (HFD)
11634.0 XPH ID: 361 - 0-msg USB 6-9-2003 Sat 1850 (JS3)
12066.0 X06 After the 6 tones carrier went off, and nothing further heard. USB 15-9-2003 Mon 1942 (JS3)
12081 XP 0-msg AM 2-9-2003 Tue 2000 (HFD)
12081 XP msg AM 4-9-2003 Thu 2000 (HFD)
12081 XP msg AM 9-9-2003 Tue 2000 (HFD)
12093.0 M08a ID 85201 93402 33352 (rpt of 1200z on 10858m) CW 2-9-2003 Tue 1300 (MS)
12093.0 M08a ID 99902 31493 36423 (rpt of 1200z on 10858m) CW 6-9-2003 Sat 1300 (MS)
12093.0 M08a ID 70222 86543 01293 (rpt of 1200z on 10858m) CW 13-9-2003 Sat 1300 (MS)
12093.0 M08a M8a, strong/readable sigs, ID is 70222 86543 01293, repeat of 12:00z on 9330 USB 13-9-2003 Sat 1300 (CA2)
12093.0 M08a ID 30913 91921 45581 (rpt of 1200z on 10858m) CW 25-9-2003 Thu 1300 (MS)
12093.0 M08a ID 45782 91923 45583 CW 27-9-2003 Sat 1300 (MS)
12107.0 XP XP, barely audible/ USB 23-9-2003 Tue 2200 (CA2)
12118.0 M08a M8a, USB 16-9-2003 Tue 0100 (CA2)
12119.0 M08 CW 2-9-2003 Tue 0121 (MT2)

12150 M42 Dep. of State Comms Moscow. Msg on link 70060 to DKR
MFSK32 20-9-2003 0730 (LD0)
12152 V07 159:0 AM 18-11-2003 Tue 0600 (HFD)
12165.0 V02a ID 18681 14203 35663 (YL/SS) USB 8-9-2003 Mon 0200
12165.0 V02a V2a, fair/readable USB 29-9-2003 Mon 0200 (CA2)
12180.0 M08a M8a, strong/readable sigs, V2a accompaniment USB
9-9-2003 Tue 0100 (CA2)
12180.0 V02a V2a, only first part of number being spoken,
strong/readable sigs, M8a accompan USB 9-9-2003 Tue
12180.0 V02a V2a, strong/readable sigs, Ive got to learn spanish
numbers. USB 10-9-2003 Wed 0200 (CA2)
12187 E07 ###:0 undermodulated AM 17-9-2003 Wed 1720 (HFD)
12208 E06 109-234/65=01254 AM 13-9-2003 Sat 1500 (HFD)
12208.0 E06 Very loud, about 60dB over 1µV HF on my dipol! USB
28-9-2003 Sun 1510 (OV)
12215.0 V02a in progress AM 4-9-2003 Thu 0200 (SK)
12215.0 V02a ID ----- (YL/SS) (in progress) AM 5-9-2003
Fri 0200 (MS)
12215.0 V02a V2a, strong/readable sigs, into message USB 9-9-2003
Tue 0200 (CA2)
12215.0 V02a V2a, weak/mostly AM 16-9-2003 Tue 0200 (CA2)
12229 XP msg AM 2-9-2003 Tue 2020 (HFD)
12229 XP msg AM 5-9-2003 Fri 2020 (HFD)
12230.0 XP Russian Polytone - with the same 65 group msg as 20.00
UTC AM 11-9-2003 Thu 2020 (JS3)
12504 XP msg AM 23-9-2003 Tue 0620 (HFD)
12504 XP msg AM 26-9-2003 Fri 0620 (HFD)
12504 XP msg AM 30-9-2003 Tue 0620 (HFD)
12504 XP msg AM 10-10-2003 Fri 0620 (HFD)
12603 E03 LP id 14364 USB 16-11-2003 1805 (PP1)
12603.0 E03 E3, into message, fair/strong readable sigs USB
2-9-2003 Tue 2100 (CA2)
12603.0 E03 E3, into message, fair/strong readable sigs USB
2-9-2003 Tue 2100 (CA2)
12603.0 E03 E3, into message, weak/fair readable sigs USB 2-9-2003
Tue 2200 (CA2)
12603.0 E03 E3, into message, weak/fair readable sigs USB 2-9-2003
Tue 2200 (CA2)
12603.0 E03 E3, into message, weak/barely readable sigs, covered
by something that sounds l USB 3-9-2003 Wed 2100 (CA2)
12603.0 E03 E3, into message, fair/strong readable sigs USB
3-9-2003 Wed 2200 (CA2)
12603.0 E03 E3, fair/strong readable sigs, ID is 21739 USB
4-9-2003 Thu 2200 (CA2)
12603.0 E03 E3, fair/weak/mostly readable sigs, ID sounds like
56980 or 56982 USB 9-9-2003 Tue 2100 (CA2)
12603.0 E03 E3, very weak/mostly unreadable sigs USB 9-9-2003 Tue
2200 (CA2)

12603.0 E03 ID 03926 (mixed with a loud cw signal) USB 22-9-2003
Mon 1900 (OV)
12603.0 E03 E3, fair/weak/mostly USB 30-9-2003 Tue 2100 (CA2)
12604.0 E03 Very, very faint, can make out Lincolnshire Poacher
melody, no USB 16-11-2003 Sun 1500 (JW2)
13368 XPH 0-msg AM 9-9-2003 Tue 1830 (HFD)
13368 XPH 0-msg AM 23-9-2003 Tue 1830 (HFD)
13368 XPH 0-msg //11633 10143 AM 30-9-2003 Tue 1830 (HFD)
13368.0 XPH PD: 361 - 0-msg AM 6-9-2003 Sat 1830 (JS3)
13368.0 XPH Null message in the old s7 style (831 831 831 000) ..
USB 20-9-2003 Sat 1830 (OV)
13368.0 XPH Null message in the old s7 style (831 831 831 000) ..
USB 27-9-2003 Sat 1830 (OV)
13375 E03 LP id 59564 USB 16-11-2003 1705 (PP1)
13381 V07 372:0 AM 30-9-2003 Tue 0600 (HFD)
13405 S10D 555 weak AM 17-9-2003 Wed 1855 (HFD)
13415 E07 462:1- 752/38= 66387 AM 1-9-2003 Mon 2000 (HFD)
13415 E07 462:2-4386/25= 64465 AM 8-9-2003 Mon 2000 (HFD)
13436.0 V02a V2a, strong/readable sigs, into message USB 9-9-2003
Tue 0100 (CA2)
13436.0 V02a V2a, very AM 30-9-2003 Tue 0100 (CA2)
13436.0 V02a In progress AM 30-9-2003 Tue 0105 (BM)
13507.0 XP Very weak/inaudible signs, used filter just to pull a
barely audible sig out o AM 9-9-2003 Tue 2140 (CA2)
13527.9 MX Cluster beacon "S" CW 12-9-2003 0241 (SPM)
13533.0 E10 EZI 2 msgs: 79 OJZSO, 39 BGWDJ/9130, 11565 AM 2-9-2003
Tue 1830 (JS3)
13533.0 E10 EZI 77 HJDRX/9130, 11565 AM 6-9-2003 Sat 1730 (JS3)
13533.0 E10 EZI2 USB 11-9-2003 Thu 2100 (BS4)
13533.0 E10 EZI2 USB 13-9-2003 Sat 1830 (BS4)
13533.0 E10 EZI 92 DJMKV, repeat of msg 2330z 09-11/12 9130k/6840k
USB 14-9-2003 Sun 1730 (BS4)
13533.0 E10 EZI2 USB 14-9-2003 Sun 1830 (BS4)
13533.0 E10 EZI 31 Q?XHJ USB 19-9-2003 Fri 1300 (GG)
13533.0 E10 EZI in tfc USB 4-10-2003 Sat 1730 (BS4)
13533.0 E10 EZI 96 OPJFI USB 4-10-2003 Sat 1830 (BS4)
13533.0 E10 EZI 86 UHPSP, 22 CNSZX USB 5-10-2003 Sun 1830 (BS4)
13533.0 E10 EZI in tfc USB 12-10-2003 Sun 1830 (BS4)
13533.0 E10 EZI 46 PQRMJ USB 13-10-2003 Mon 1730 (BS4)
13533.0 E10 EZI USB 15-11-2003 Sat 1730 (BS4)
13534 E10 in progress AM 9-10-2003 1723 (EB)
13800 X06 Dep of State Comms. Mazielka calls 10-11-2003 0800
13800.0 X06 A variant with two tones, which came three times after
another AM 10-11-2003 Mon 0800 (JS3)
13828 E07 ###:0 undermodulated AM 17-9-2003 Wed 1700 (HFD)
13880 E06 306-579/128=32146 same msg AM 22-11-2003 Sat 1500
(HFD)
13888 E06 428 428 428 128 32146 38297 etc AM 23-11-2003 1500

13903.0 XP Russian Polytone with a msg - ID: 259, groups: 169 AM
30-9-2003 Tue 0640 (JS3)
13904 XP msg AM 26-9-2003 Fri 0640 (HFD)
13904 XP msg AM 30-9-2003 Tue 0640 (HFD)
13904 XP msg AM 10-10-2003 Fri 0640 (HFD)
13938 XP msg AM 2-9-2003 Tue 2000 (HFD)
13938 XP msg AM 5-9-2003 Fri 2000 (HFD)
13938.0 XPH very short msg. signal weak USB 2-9-2003 Tue 0020
13940.0 XP Russian Polytone - with a 65 group msg. AM 11-9-2003
Thu 2000 (JS3)
13999.0 E10 Female voice repeating Alfa Bravo Charlie USB
9-11-2003 Sun 1240 (SH)
14487 E03 LP USB 9-10-2003 1345 (EB)
14487.0 E03 99188 USB 19-9-2003 Fri 1200 (GG)
14487.0 E03 Lincolnshire poacher in progress USB 8-11-2003 Sat 0014
(HST)
14781 V07 372:0 AM 30-9-2003 Tue 0620 (HFD)
14907.0 XP XP weak/mostly readable sigs, null message AM 9-9-2003
Tue 2120 (CA2)
14910 E06 428-579/128=32146 same msg AM 22-11-2003 Sat 1500
(HFD)
14910 E06 428 428 428 128 32146 38297 etc AM 23-11-2003 1500
14932 M16 DGSE. 8BY CW 9-10-2003 1255 (EB)
14953 M42 Dep. of State Comms Moscow. Msg on link 70006 MFSK32
3-10-2003 1638 (LD0)
15682 E03 LP USB 9-10-2003 1246 (EB)
15682.0 E03 E3, into message, weak/barely readable sigs USB
2-9-2003 Tue 1200 (CA2)
15682.0 E03 E3, into message, weak/barely readable sigs USB
2-9-2003 Tue 1200 (CA2)
15682.0 E03 E3, weak/readable sigs USB 8-9-2003 Mon 1200 (CA2)
15682.0 E03 E3, fair/weak/readable sigs, into message USB 9-9-2003
Tue 1200 (CA2)
15682.0 E03 99188 USB 19-9-2003 Fri 1200 (GG)
15682.0 E03 51904 USB 19-9-2003 Fri 1300 (GG)
15682.0 E03 E3, fair/readable USB 28-9-2003 Sun 1300 (CA2)
15682.0 E03 E3, USB 28-9-2003 Sun 1400 (CA2)
15682.0 E03 E3, fair/mostly USB 30-9-2003 Tue 1200 (CA2)
15980.0 E10 EZI2, very faint//17410 USB 13-9-2003 Sat 1330 (BS4)
15980.0 E10 EZI 31 Q?XHJ USB 19-9-2003 Fri 1300 (GG)
15980.0 E10 EZI2//17410 faint USB 4-10-2003 Sat 1330 (BS4)
16084.0 E03 ID 84790; in prog USB 13-9-2003 Sat 1803 (BM)
16084.0 E03 99188 USB 19-9-2003 Fri 1200 (GG)
16223 M42 Russian intel. Wideband broadcasting channel
12-11-2003 1918 (LD0)
16227 X06 AM 22-11-2003 Sat 1414 (HFD)
16343 E06 ip. ends 579 128 cf 13880/ AM 22-11-2003 Sat 1416
17410.0 E10 EZI2, very faint//15980 USB 13-9-2003 Sat 1330 (BS4)

17410.0	E10	EZI2//15980 faint USB 4-10-2003 Sat 1330 (BS4)
17440	E06	ip. ends 579 128 cf 13880/ AM 22-11-2003 Sat 1424
18177	M42	Russian intel. Wideband broadcasting channel 12-11-2003 0920 (LDO)
18298	G19	340 340 340 792 792 55 55 5FGs 782 55 00000. German Man AM 23-10-2003 1400 (EPA)
18864	E03	LP USB 7-10-2003 1341 (EB)
19715.0	E10	EZI USB 28-9-2003 Sun 0830 (OV)
19715.0	E10	EZI 95 J0UKJ USB 4-10-2003 Sat 1400 (BS4)
19715.0	E10	EZI 87 ??POS USB 18-10-2003 Sat 1400 (BS4)
20157	M42	Russian intel. Wideband broadcasting channel 12-11-2003 0930 (LDO)
20940	M42	Russian intel. 17FGs to unid recipient Baudot 200.32bd 2-11-2003 1303 (LDO)

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